Editorial Index

INDUSTRY WEEK

VOLUMES 174 & 175

July 1 through December 31, 1972

Subject Index 2

Company Index 26

Published by

THE PENTON PUBLISHING COMPANY

PENTON PLAZA, CLEVELAND, OHIO 44114

SUBJECT INDEX

A

Abel, I. W.:
Tax loopholes must go, Abel tells Congress, 7/31, p.12

Absenteeism:
Who didn't show up today? 9/11, p.30

Accidents:
Booklet analyzes industrial accidents, 10/30, p.9
Putting the rehabilitated back to work, 9/18, p.41
Top cause of truck crashes: sleepy driver, 10/16, p.9
Traffic carnage continues record rise, 12/18, p.10

Accounting:
Accounting board may bring strict control of contractors, 7/17, p.22

Acoustics:
Underwater obstructions can be avoided more easily by ship captains, 11/13, p.24

Acrylic:
The high solids content of a new high sheen acrylic latex emulsion, 11/6, p.21

Acupuncture:
Acupuncture is to get a 'going over' by specialists, 8/7, p.22

Additives:
Adding extra protein to bread, 11/6, p.22
Pultrusion of thicker structural plastic cross sections, 10/2, p.19

Adhesives:
Adhesives at cryogenic temperatures, 11/6, p.21
Electrostatic powder spray, 7/10, p.26
Hot melt adhesives are getting easier to apply, 9/4, p.22

Advancements:
Stress opportunities, cut turnover, 9/4, p.9

Advertising:
'Advertisement' can help to sell yourself upward, 12/11, p.9
EEC playing catch up in advertising spending, 10/9, p.76
More teeth for truth in advertising? 8/7, p.16
Want your name off direct mail ad lists? 8/14, p.10

Aerospace Industry:
Accounting board may bring strict control of contractors, 7/17, p.22
Aerospace decline levels off, but no upturn is in sight soon, 7/24, p.56
Aerospace pros lose interest; unions persist, 10/30, p.17
Aerospace workforce pulls out of nose-dive, 10/9, p.67
European aerospace mergers—can they get off the ground? 7/31, p.40
Giant forging press starts to pay its way, 10/30, p.16
Meetings to show how to bid on shuttle, 11/20, p.20
More delay possible for aerospace pact, 8/14, p.18
Shuttle cheers aerospace, but some subcontractors doubtful, 8/7, p.14
Space shuttle program starts to lift off, 12/4, p.22

Agriculture:
Agriproduct boosts crop growth, yield, 10/16, p.26
Application of agricultural chemicals by foam, 8/7, p.23
Export cooperative formed with 1918 law, 7/10, p.24

Aid:
Parliament asked to aid Northern Ireland, 8/21, p.54

Air:
Air pollution at refineries caused by escaping gasoline, 7/3, p.24
Air pollution control stocks? Price is right, 10/9, p.10
Air pollution from burning heavy oil, 8/7, p.22
Air ruling may limit California industry, 9/25, p.18
Cleaner air indoors, 9/18, p.28
Clear Air Car Race broadens objectives, 8/7, p.65
'Combination of factors' led to pollution suit at Rouge complex, 7/24, p.22
Detecting turbulent sections of clear air, 9/25, p.24
EPA approves more state air plans, 10/9, p.75
EPA approves more state air plans, 11/13, p.67
EPA's clean air rules trigger 'classic' fight with smeltermen, 8/28, p.22
EPA finishing state air plans, 7/3, p.55
Is there a 'black box' around the corner? 12/4, p.S-11
Pollution puzzle: search for the missing pieces, 12/4, p.49
Sulfur dioxide monitors have been set up throughout the Netherlands, 7/24, p.20

Air Bags:
Court delays auto air bags; calls for more refined testing, 12/11, p.20

Air Belts:
An air belt instead of an air bag? 10/16, p.81

Air Freight:
Asian air cargo traffic soaring, 7/31, p.52

Air Gun:
Transporting rubbish via an air gun, 12/11, p.24

Air Pallets:
Air pallets cut machine tool downtime, 7/31, p.22

Aircraft:
A diffusion bonding process called transient liquid phase bonding, 11/20, p.20
A novel pilotless plane, 10/23, p.22
Air dropped fertilizer may provide profit to tree farming, 7/24, p.21
Beleaguered aircraft firms find a few things to cheer about, 10/23, p.24
Blue skies ahead for business aviation, 8/28, p.24
Boeing still studying supersonic aircraft, 7/3, p.22
Detecting turbulent sections of clear air, 9/25, p.24
Early flight enthusiasts patterned after birds, 10/23, p.20
Europe tries group plane purchases, 12/4, p.26
New Zealand firms join in aircraft venture, 7/24, p.60
Sen. Proxmire promises a new SST fight 12/11, p.59
Small aircraft industry landing in Mexico? 11/6, p.68
SST data unlocked, 8/21, p.53

Airlines:
Allow extra airport time when traveling, 9/18, p.12
I protest! 8/28, p.5
More air service for China? 9/25, p.13
Now a minicomputer lures traveling execs, 7/10, p.22
Only bears flying airline stocks, 9/25, p.10

Airports & Airport Equipment:
Allow extra airport time when traveling, 9/18, p.12
Some tips for air travelers, 11/6, p.10
Superairports: plan now or pay later? 10/9, p.30
Voice recognition computers help route baggage, 11/13, p.24

Akron, Ohio:
Akron decides on phosphates this week, 10/23, p.20

Alaska:
Alaska land decision due next month, 8/14, p.67
Alaskan pipeline hits new legal snarl, 9/25, p.20
Congress probes Alaska oil line; but courts may speed decision, 7/10, p.15
Delay feared on transalaskan pipeline suit, 9/4, p.69

Alcohol:
New light whiskies to be offered soon, 7/10, p.10
Three-martini decisions, 10/16, p.5
Tips for better homemade martinis, 12/18, p.10

Alcoholism:
Automakers, UAW tackle alcoholism, 7/10, p.65
Do you fire or rehabilitate an alcoholic? 11/6, p.9
Firms seen reluctant to give drug tests, 7/24, p.27
Foremen can boost effort against alcoholism, 7/3, p.9

Alloys:
A Russian alloy steel containing 2% alloying elements, 7/24, p.21
Certain aluminum alloys hold great promise for desalting applications, 7/17, p.23
Incramute has the ability to damp and reduce noise and vibration, 10/30, p.21
Latest aluminum alloy for cookware, 7/3, p.24
More aluminum alloys in autos, 10/23, p.20
One of the latest stainless steel casting alloys, 10/9, p.16
Titanium alloy Ti-17 offers significantly higher strength, 9/4, p.24

Alumina:
Alcoa casts a vote for anorthosite, 7/10, p.21

Aluminum:
Adhesives at cryogenic temperatures, 11/6, p.21
Alcan pigeonholes Brazilian mining venture, 10/16, p.76
Alcoa hedges against bauxite, 9/18, p.31
Aluminum could replace copper in home wiring systems, 11/13, p.24
Aluminum demand up, but prices still weak, 8/28, p.17
Aluminum distributors boost '72 forecast, 8/7, p.62
Aluminum industry faces short supply, rising prices, 10/23, p.62
Aluminum production rate tops total for '71, 10/2, p.50
Auto weight watchers eye aluminum, 11/6, p.73
Certain aluminum alloys hold great promise for desalting applications, 7/17, p.23
Electromagnetic pouring of aluminum ingots, 9/11, p.17
Fluxless aluminum brazing, 12/11, p.24
Fluxless joints aim aluminum at new uses, 8/28, p.18
Friction-welded connectors, 10/16, p.22
High pressure cylinders of aluminum, 11/13, p.20
How large aluminum weldments distort during welding, 12/4, p.43
Is removing magnesium from aluminum scrap your problem? 8/28, p.20
Latest aluminum alloy for cookware, 7/3, p.24
LNG tankers luring aluminum to the seas, 10/9, p.67
More aluminum alloys in autos, 10/23, p.20
Sealing anodized aluminum with a process called Duralox, 12/4, p.41
Self-damping conductor cables that won't vibrate, 7/10, p.22
Upturn in aluminum business is 'profitless,' 7/17, p.54

AFL-CIO:
Hodgson, AFL-CIO list goals for '73, 10/2, p.13

American Management Assn.:
More whitecollars consider union label, 10/23, p.50
Slanted news, administration of pollution laws bug many, 9/11, p.16

American Petroleum Institute:
Oil execs unite on energy plan; White House policy due in '73, 11/20, p.14

American Society for Metals:
Ecology influencing material decisions, Metals Show told, 10/23, p.16
Get more involved in industry problems, says new ASM chief, 10/9, p.14

American Society for Testing & Materials:
OSHA accepts ASTM standards, 11/20, p.59

Amtrak:
Amtrak's international service may add Mexico, 11/13, p.10
Are the trains really worth riding again? 8/21, p.42

Amusement Parks:
Climate, amusements lure Los Angeles visitors, 9/4, p.10

Andean Common Market:
Andean countries allocate metalworking industries, 11/13, p.68

Anemometers:
The momentum anemometer, 9/18, p.26

Animals:
DDT needs more study before conclusions can be drawn, 7/3, p.22
Sleeping outdoors? Beware of rabid animals, 10/30, p.10

Annealing:
Continuous annealing system, 9/4, p.22

Annual Meetings:
Oil execs unite on energy plan; White House policy due in '73, 11/20, p.14

Anorthosite:
Alcoa casts a vote for anorthosite, 7/10, p.21

Antimony:
Impact strength of cast manganese steel can be increased, 7/31, p.19

Antitrust:
'New' antitrust bill aimed at seven groups, 7/31, p.13

Apparel Industry:
Apparel makers counting on more spenders, fewer savers, 12/4, p.91
Apparel makers' import fight continues despite agreement, 8/28, p.50
Felt demand has right feel, 8/28, p.12
Import quotas could aid apparel investment, 10/30, p.56

Appliances:
Appliance boom to outlast '72 but problems mar long term, 9/25, p.52
Appliance firms study boosting exports, 7/3, p.19
Appliance recycling tried in pilot program, 9/18, p.20
Getting the most from appliances, 10/23, p.10

Argentina:
Truck production planned for Argentina, 12/18, p.52

Artificial Limbs:
Artificial (prosthetic) hands controlled by advanced electronics, 10/2, p.18

Artificial Lung:
An artificial lung, 11/20, p.22

Artificial Turf:
Polygrass spreads outside stadiums, 10/23, p.65

Asbestos:
Safer asbestos yarn, 10/16, p.22

Asia:
Asia faces port problems in decades ahead, 7/17, p.52
Asian air cargo traffic soaring, 7/31, p.52

Atlanta, Ga.:
Atlanta visit offers attractions for all, 7/10, p.10

Atomic Energy:
Breeder reactors: one up and one down, 12/11, p.18
Energy poverty in the midst of plenty, 8/14, p.8-9
LMFBR: the young miracle worker, 12/11, p.30
Next Congress to study reactor safety, 10/23, p.67
Uranium abundance causes mining halt, 8/14, p.25

Atomic Energy Commission:
AEC to pick ten in uranium enrichment program, 7/10, p.63

Australia:
Australia bidding for giant steel complex, 9/25, p.60
Australia eyes U. S. hard goods markets, 10/2, p.14
Australia limits foreign takeovers, 10/30, p.52
Australia strives to minimize economic ties with Japanese, 11/6, p.20
Chamber of Commerce rebuts exploitation charge, 12/4, p.102
Papua-New Guinea wants 'sensitive' investors, 7/3, p.56
Vast Australian gas reserves could ease U. S. energy crisis, 10/9, p.23

Automatic Car Wash Assn.:
Foreign carwashers invade U. S. market, 7/10, p.19

Automation:
Machinery sales may hinge on printing's move to automation, 9/4, p.66

Automotive:
A $1 billion market? TRW zeros in on auto electronics, 12/11, p.63
A tire 'early warning' system, 12/18, p.22
Almost as many walk as ride transit, 8/14, p.9
An air belt instead of an air bag? 10/16, p.81
An American 'makes it' in German firm, 8/7, p.50
An external combustion engine is being pushed as a power source for autos, 7/31, p.19
Another forecast says . . . autos to use more electronics, 10/9, p.81
Are you opening the door for burglars? 8/28, p.10
August autos to pass year ago, 8/7, p.58
Auto emissions rules branded 'unrealistic,' 7/3, p.21
Auto glass maker? 7/31, p.57
Auto imports cause 'head scratching,' 7/24, p.26
Auto industry demand again giving steel a lift, 8/7, p.57
Auto output to lay low-to-medium, 7/24, p.61
Auto weight watchers eye aluminum, 11/6, p.73
Automakers find 'magic formula,' 10/23, p.63
Automakers push '73 model output, 8/14, p.57
Automakers schedule a record, 9/11, p.62
Automakers, UAW tackle alcoholism, 7/10, p.65
Autos strong during next 6 months, 10/9, p.61
Big auto year should boost steel efficiency, 7/24, p.58
Big three, VW, expanding production in Brazil, 7/17, p.52
Booming auto industry bolsters steel's health, 10/9, p.64
Borg-Warner is ready . . . foreign cars going 'automatic,' 9/18, p.85
Changeovers muffle auto output, 7/17, p.49
Clear Air Car Race broadens objectives, 8/7, p.65
Court delays auto air bags; calls for more refined testing, 12/11, p.20
Detroit adds glass in new uses, 11/20, p.65
Detroit 'can't miss' sales record, 11/6, p.64
Detroit moves to protect new cars in transit, 7/17, p.57
Detroit to begin its 'towering effort,' 12/11, p.54
Detroit to share record with imports, 11/27, p.54
Diesel a forgotten entry in 1976 clean engine race? 11/27, p.22
8-millionth car arrives early, 12/4, p.98
Electric vehicle to get more study, 9/18, p.22
Even an auto's paint now helps cut smog, 7/31, p.20
Fluxless aluminum brazing, 12/11, p.24
Ford engine problem no production crisis, 10/16, p.27
Ford mobilizing outdoor interests, 7/24, p.65
Foreign carwashers invade U. S. market, 7/10, p.19
GM 'road tests' engines in a laboratory, 7/3, p.61
German auto industry sputtering through 1972, 12/18, p.52
Glove box computer monitors safety systems, 8/7, p.65
Have imports passed their peak? 12/4, p.107
Heavier '73's may use more steel, but . . . , 9/25, p.65
How does your mileage allowance stack up? 7/3, p.10
Imports' lagging sales could hit U. S. suppliers, 10/23, p.73
International gears up for growing construction market, 11/13, p.71
Japan's automakers ease into EEC, 8/7, p.60
Lasers that weld autos, 10/23, p.20
Machine tool builders believe Wankel is starting a revolution, 9/4, p.16
Momentum builds; Detroit aims high, 10/16, p.66
More aluminum alloys in autos, 10/23, p.20
More answers to 1976 emission problems? 10/16, p.81
More good news for automakers, 12/18, p.49
More jawboning may lie ahead, 9/4, p.69
More trucks going radial, 9/11, p.81
Motor vehicles nearing record output, 7/3, p.57
New auto financing plan aids traders, 8/14, p.10
New bumpers cut auto insurance costs, 7/24, p.10
New car price haggling can pay off, 7/17, p.10
Nissan pondering U. S. assembly, 7/3, p.56
October auto output 'sizzling,' 10/2, p.45
Painted rubber parts back up 1973's bumpers, 7/31, p.57
Recalls frustrate Detroit engineers, 9/4, p.75
Rustproofers fill special role in auto production, 11/27, p.63
Safe driving hints for winter, 12/4, p.12
'Safer' paints stir little interest, 10/2, p.57
Sales, assembly of autos on rise in Colombia, 9/11, p.76
Sales boom, but British auto firms famish; imports feast, 10/9, p.25
'72 autos hand torch to racing '73s, 9/18, p.66
'73 cars begin to outnumber '72s, 11/13, p.59
'73 model run is slow on acceleration, 8/21, p.56
'73 models picking up speed, 8/28, p.53
Shop for that auto loan, 10/23, p.10
Short inventories spur auto output, 9/25, p.53
Small cars winning, imports losing in bonanza auto year, 7/10, p.58
Some hints for winter tire care, 11/20, p.10
Strong '73 if controls remain, say analysts, 11/20, p.53
Suppliers squirm in 'carmakers' price battle with White House, 8/28, p.14
Switch to radials will only slow tire shipment growth, 10/16, p.68
Trade-in may yield sales tax savings on new car, 10/2, p.10
Traffic carnage continues record rise, 12/18, p.10
Truck output goes up as autos slip, 7/31, p.50
Unknowns still plague exhaust cleanup fight, 12/18, p.57
Wankel could change U. S. auto design, 7/3, p.61
Wankel to cut costs, boost capital spending, 10/30, p.17
Will an old design become a new engine? 8/28, p.57
Will lasers weld your next car? 10/30, p.57
Will platinum catalysts clean up in autos? 8/7, p.17
Winter cold calls for battery inspection, 11/13, p.10
With industry support . . . auto mechanics try self-regulation, 8/21, p.59

Awards:
Customers' letters earn awards for workers 12/18, p.9

B

Bacteria:
A food preservative produced by bacteria, 12/4, p.45
Bacteria are clearing methane gas from a Russian coal mine, 7/24, p.21
Bacteria can smell out hidden explosives, 10/16, p.22
Bacteria may be the means for getting oil out of shale, 11/20, p.22

Balance of Payments:
'Must cure payments deficit to avert disastrous inflation,' 8/21, p.50

Banks, Banking:
Bank card loans rise despite high cost, 10/16, p.10
Bankers see better business, level prices, 12/4, p.86
Check your taxes, 10/23, p.18
Good year ahead for bank stocks, 11/20, p.42
Streamlined payroll catching on in Japan, 11/13, p.68

Bargaining:
Abel: Crisis bargaining must go, 9/25, p.11
First distant rumbles from 1973 labor talks, 7/3, p.13
I. W. Abel: Searching for ways to work with management, 11/13, p.13
Labor in '73: tough, but less hostile, 10/16, p.36
Labor peace panel to be named—after Nov. 7, 10/23, p.67
NLRB softens its 'must bargain' stance, 10/2, p.9
Productivity bargaining to have minor role, 11/13, p.67

Battelle Memorial Institute:
Equipment needs, financing may detour recycling firms, 8/28, p.21

Batteries:
A low-cost battery that operates at safe pressures, 8/21, p.17
A recent zinc-air battery, 10/2, p.18
Proper care cuts stationary battery costs, 7/10, p.9
Winter cold calls for battery inspection, 11/13, p.10

Bauxite:
Alcoa hedges against bauxite, 9/18, p.31

Beards:
Beards warn of communications failure, 8/28, p.9

Bearings:
An unusual bearing with no movable metal parts, 8/7, p.23
Need to predict how long rolling element bearings will last? 11/20, p.20
Rolamite bearings improve the accuracy and response of L-shaped mechanical pen mounts, 9/25, p.22
Vibration rolling increases the life of bearing materials, 12/4, p.43

Behavioral Science:
Swapping managerial garbage, 10/2, p.40
The equality of ignorance, 10/9, p.50

Behavioral Testing:
Spot thieves before they steal, 11/27, p.9

Belgium:
Belgium's business climate good for U. S. firms, 7/3, p.56

Bending Machines:
Bender speeds setup, production, 8/28, p.18

Beverages:
Tips for better homemade martinis, 12/18, p.10

Bills, Billing:
Automatic bill paying moves closer, 9/18, p.12

Binders:
An experimental acrylic binder, 10/30, p.20

Biology:
The parasexual hybridization of plants, 8/28, p.20

Biomechanics:
Keeping women workers healthy, happy, and productive, 10/23, p.53

Birds:
Early flight enthusiasts patterned after birds, 10/23, p.20

Birth Control:
Hormone-releasing agents have the potential of yielding new birth control methods, 9/11, p.17

Blacks: Also See Minority Groups
Blacks unite for clout in labor, 11/6, p.67

Blind:
A laser beam guides blind people, 8/7, p.22
Blind people can be trained to use an electrical instrument, 10/30, p.21

Board of Directors:
Labor representative on corporate board? 11/27, p.9

Boats:
Absence of rooster tails from four-cycle inboard motors, 8/14, p.22
Boat tank helps fight marine pollution, 8/21, p.10
Marina project could build extra income, 10/9, p.10
New era of big lake boats arrives, 10/2, p.28

Boldt, George (Judge):
Boldt departure at president's pleasure, 11/20, p.59

Bonding: Also See Welding
A diffusion bonding process called transient liquid phase bonding, 11/20, p.20
Bonding of silicone rubbers, 7/10, p.22

Bonds:
Bond conversion gain might be taxable, 7/24, p.10
Investors leap to bonds for stability, 10/23, p.10
Savings bonds versus savings accounts, 8/28, p.10
Treasury bonds can complement savings program, 9/25, p.10

Bonuses:
Bonuses better than piecework rates, Sweden finds, 7/17, p.52
Year-end management bonuses increased, 12/18, p.48

Brains:
Can brain tissue repair itself? 10/2, p.18

Brakes:
More brake room, 10/30, p.57

Brazil:
Alcan pigeonholes Brazilian mining venture, 10/16, p.76
Big three, VW, expanding production in Brazil, 7/17, p.52
Brazil further loosens investment rules, 9/25, p.60
Brazil still promoting foreign investment, 10/23, p.68

Brazing & Soldering:
Brazing systems for powder metal ferrous materials, 9/11, p.17
Fluxless aluminum brazing, 12/11, p.24

Bread:
Adding extra protein to bread, 11/6, p.22

Breeder Reactors:
Breeder reactors: one up and one down, 12/11, p.18
LMFBR: the young miracle worker, 12/11, p.30

Breeder Technology:
Will energy darkness lead to dawn? 8/14, p.S-13

Breweries:
Beer sales foaming higher, but small breweries go dry, 10/23, p.61

Brightness:
More accurate measurement of brightness, 11/27, p.19

Broadcasting:
Four-channel FM stereo broadcasts spread, 9/25, p.10

Brussels Tariff Nomenclature:
New tariff nomenclature for the U. S.? 8/28, p.51

Buckley, William F.:
Searching for solutions . . . William F. Buckley joins IW teleconference panel, 10/2, p.12

Building:
Building costs up only 5% from year ago, 8/14, p.70
Building height limitations are social, not structural, 9/18, p.26
Industrialized builders face shakeout, but not disaster, 11/13, p.16
Metal buildings enjoy rapid growth in sales, 9/11, p.62
Next: buildings planned to save energy, 12/18, p.13
Plywood production forecast gets nudge, 9/11, p.62
Renovate or rebuild? 10/9, p.36

Bumpers:
New bumpers cut auto insurance costs, 7/24, p.10
Painted rubber parts back up 1973's bumpers, 7/31, p.57

Bureau of International Commerce:
Trade bureau chief no longer 'acting,' 12/11, p.59
U. S. firms invited on European trade mission, 9/25, p.60

Bureau of Labor Statistics:
BLS publishes productivity data, 7/24, p.59

Bureaucracy:
Business bureaucracy, 10/9, p.5

Burglary:
Are you opening the door for burglars? 8/28, p.10
Tips on surviving burglary season, 7/24, p.10

Buses: See Trucks & Buses

Business Economy (Foreign):
Canadian economy set to rebound, 11/6, p.68
Canadians foresee 10% investment hike, 11/27, p.54
Economy, inflation soar in Israel, 8/21, p.54
EEC unemployment and prices still rise, 10/16, p.76
Finnish economy has good news, bad news, 9/25, p.60
Fuji Bank recommends new economic diplomacy, 7/31, p.52
'Great leap forward,' or great leap backward? 7/10, p.64
GNP of major economies to rise, 9/4, p.70
Japanese to export many yen during 1970s, 12/18, p.52
Latin American economies maintain strength, 9/25, p.60
NMTBA to seek sales in Eastern Europe, 7/31, p.17
South Korea building industrial potential, 7/24, p.60
Spain moves to curb inflation, 11/6, p.68
USSR reports 6.7% rise in output, 11/13, p.25

Business Economy (U. S.):
Administration heads toward economic goals, 11/13, p.59
Bad news grabs headlines but . . . overview calms economic jitters, 7/3, p.49
Bankers see better business, level prices, 12/4, p.86
Business is better, but did controls do it? 8/14, p.11
Business must tell its story in election year, 10/23, p.9
Business panel maps route toward gradual decontrol, 7/31, p.14
Can recovery survive Nixon policies? 8/7, p.53
Capital spending: again a major force, 12/11, p.51
Commerce study sees banner year ahead, 11/6, p.57
Consumers confident, but for how long? 12/18, p.50
Controls wear out their welcome, 7/17, p.47
Despite problems . . . industry's optimistic about '73, 10/16, p.11
Economic growth is strong so far —but can it continue? 7/31, p.46
Economics out, politics in as business' chief concern, 7/10, p.53
Economists foresee stronger business year, 11/13, p.62
Economists project favorable '73, but not without pitfalls, 10/2, p.13
Economy to perk with steam heat, 8/14, p.55
Even ordnance won't drop with war's end, 12/11, p.53
Factories hum, but pitch to increase, 9/4, p.57
Felt demand has right feel, 8/28, p.12
Firms handle rising business without overtime, hiring hikes, 7/24, p.54
5% economic growth no matter who wins, 10/2, p.46
Four more years of what? 11/27, p.47
Inflation is dying: long live inflation? 10/9, p.59
Investment cools despite confidence, 9/25, p.51
Is unemployment picture out of focus? 7/3, p.28
Is your cost reduction effort merely 'plugging the dike'? 7/24, p.49
Less fat, more weight on inventories, 10/16, p.63
Managers' hopes for strong autumn business coming true, 9/4, p.58
Manufacturers hike operating rates, 8/21, p.49
More emphasis on expanding U. S. exports, 12/18, p.51
Nixon advisers fear pitfalls along the path to decontrol, 7/3, p.14
No overnight cure for trade troubles, 7/24, p.53
Outlook for stable prices brightens as pressures fizz, 9/11, p.61
Pay panelist for curbs at least through '73, 10/23, p.28
'Phase 2 worked,' says GOP, but tough problems remain, 8/21, p.13
Phase 3 in '73? . . . only Richard Nixon knows for sure, 11/27, p.11
Purchasers see growth rate slowing in '73's second half, 12/11, p.53
Recession-bred controls, costs may restrain inventory buildup, 7/17, p.12
Search for solutions, 9/4, p.5
'73 outlook . . . in general, more strength, with some surprises, 12/4, p.85
Strong '73 if controls remain, say analysts, 11/20, p.53
Surcharge possible, credit under fire, businessmen look at taxes, '73 style, 12/18, p.45
Tax rise, deficits not inevitable, insists CEA's Marina Whitman, 7/10, p.16
The outlook for 1973, 12/11, p.46
The '73 economy looks good, but the problems linger on, 8/28, p.12
Three good quarters on tap before 'growth recession,' 10/16, p.65
What executives see ahead, 11/20, p.37
Yule sales to build momentum for '73, 10/23, p.59

Business Education: See Education

Business Failures:
Business failures again rise—but trail '71 level, 7/24, p.62
Business failures run 11% behind 1971 pace, 8/14, p.64

Business Image:
Antibusiness pressure to grow, execs say, 11/13, p.25
IBM's Learson urges business to speak up, 9/18, p.21
Parkinson's 'law': big business isn't bad, 11/13, p.30
Speak up—to all elements of society, 9/25, p.9
Tell business' side, Gerstenberg exhorts, 12/4, p.35
'We expect our managers to tell the business story,' 11/20, p.43

Business Letters:
How *not* to write a business letter, 8/7, p.49

Business vs Social & Domestic:
A recipe for social responsibility, 8/21, p.20
Antibusiness pressure to grow, execs say, 11/13, p.25
IBM's Learson urges business to speak up, 9/18, p.21
Keeping your friends in town, 12/18, p.34
Speak out for truth, 11/27, p.43
Speak up—to all elements of society, 9/25, p.9
Tell business' side, Gerstenberg exhorts, 12/4, p.35
Volunteers achieve effective, inexpensive social programs, 7/24, p.16

Business Tactics:
Trade impetuosity for patience, 7/17, p.9

C

Cables:
A switchless telephone system, 8/7, p.23
Electric power transmission through a superconductive transmission line, 7/17, p.24
Look for more underground cable systems, 7/17, p.24
Self-damping conductor cables that won't vibrate, 7/10, p.22

Calculators:
Electronic calculator buffs, 7/17, p.24

California:
Air ruling may limit California industry, 9/25, p.18

Cambrelle:
A textile called cambrelle, 12/18, p.21

Cameras:
A new generation of color tv cameras, 8/21, p.16
An experimental laser camera can pick out footsteps, 9/25, p.22
Blind people can be trained to use an electrical instrument, 10/30, p.21

Camping:
Idle land? Camping could provide return, 7/10, p.10
Sleeping outdoors? Beware of rabid animals, 10/30, p.10

Canada:
Another round coming for U. S., Canada trade talks? 8/21, p.54
Canada moves to stem import of knits, 10/23, p.68
Canada needs more technical innovation, 11/27, p.21
Canada slates trade fairs to push exports, 11/27, p.60
Canadian economy set to rebound, 11/6, p.68
Canadian leaders considering immigration barriers, 8/14, p.68
Canadian, U. S. wage gap ending? 7/24, p.24
Canadians control their U. S.-owned firms, 12/11, p.60
Canadians foresee 10% investment hike, 11/27, p.54
Foreign money rules may wait until '73, 8/21, p.19
Litter law cleaning up Canadian province, 9/4, p.70
Montreal minimill eyes Canadian sales, 11/27, p.21
Peking hosting Canadian trade fair, 8/28, p.52
Trade mission hikes Canada's exports to Japan, 7/3, p.56

Canals:
Planned canal would link India's rivers, 10/30, p.52

Cancer:
New evidence that viruses cause cancer, 12/4, p.41
Skin cancers can be caused by artificial light, 7/3, p.22
Vitamin E decreases the incidence of tumors in rats, 12/4, p.43

Cans:
Differential tin plate to fill a need in the container industry, 10/9, p.16
Magnetic separation boosts consumption of scrap cans, 9/11, p.23
Massive writeoff aims at profits, 8/14, p.18
Pressurized cans will be a lot safer, 12/11, p.24
Shaping process may open more markets for steel cans, 7/10, p.21
Testing easy-open can ends for leaks, 10/23, p.22

Capacitors:
Power factor correction capacitors save money, 8/14, p.22

Capacity Utilization:
Manufacturers hike operating rates, 8/21, p.49
Statistical analysis, 7/31, p.51

Capital Equipment:
Back to boom years for capital goods? 10/23, p.63

Capital Investment:
Don't play 'Russian roulette' with corporate dollars, 10/9, p.53
Japanese study Mexico's industrial needs, 10/2, p.52
Pollution control costs triple in two years, 8/7, p.27

Capital Spending:
Canadians foresee 10% investment hike, 11/27, p.54
Capital goods pickup boosts steel optimism, 10/16, p.66
Capital spending: again a major force, 12/11, p.51
Capital spending down from earlier forecast, 9/18, p.77
Edie survey foresees 10% investment hike, 10/30, p.47
Equipment updating to play minor role in '72 spending, 7/3, p.49
Investment cools despite confidence, 9/25, p.51
Lift in capital goods, 7/17, p.5
Pace of EEC's capital spending slackens, 7/24, p.60
U. S. firms abroad curb capital outlays, 10/2, p.48

Carbon:
Checking carbon and sulfur content of steel, iron, 7/3, p.24
Vacuum carburizing should cut case hardening costs, 9/25, p.24

Carbon Dioxide Gas:
Carbon dioxide gas helps recover millions of barrels of oil, 12/11, p.26

Carbon Monoxide:
Carbon monoxide poisoning can be detected inexpensively, 8/7, p.22
The largest source of carbon monoxide is the oxidation of methane, 8/28, p.20
Will OSHA put a fan in your garage? 8/21, p.12

Carburizing:
Vacuum carburizing should cut case hardening costs, 9/25, p.24

Cards:
'Memo blank' calling cards get more mileage, 10/30, p.9

Careers:
Boss's mobility determines your own, 8/14, p.10
Want to change jobs? 11/13, p.48

Caribbean Free Trade Area:
Caribbean countries plan common market, 12/11, p.60

Carpet:
Shocked when you walk across a carpet, 10/16, p.22

Carwashers:
Foreign carwashers invade U. S. market, 7/10, p.19

Cassettes:
Now a minicomputer lures traveling execs, 7/10, p.22

Cast Iron:
Continuous casting of thin tubes of copper or cast iron, 10/16, p.24
Improving nonmagnetic cast iron, 10/16, p.22

Casting, Castings:
A continuous casting steel mill, 9/4, p.24
Continuous casting of thin tubes of copper or cast iron, 10/16, p.24
Export of Korean castings creeping upward, 11/27, p.60
Fluxless magnesium melting, 7/10, p.26
Protecting forgings or castings during heating, treating, 11/27, p.19
Steelmakers sold on continuous casting, 11/6, p.17

Catalysts:
A process for hyprochlorite oxidation of starches, 9/18, p.28

Cataracts:
Eye surgery for removal of cataracts, 7/10, p.22

Cattle:
Crackdown hits shelters that defer taxes, 10/9, p.10
Oral insecticides for cattle, 7/24, p.21

Cement:
An improved cement sintering technique, 8/21, p.17
Cement shortage possible as capacity expansions lag, 12/11, p.54
Fast-drying concrete is made by mixing wet aggregate with dry cement, 12/18, p.22
Shortages, controls trouble cement firms, 7/24, p.26

Census Bureau:
Economic census to get faster timetable, 10/23, p.67

Ceramics:
Need a solid state thermal switch? 9/4, p.24

Cerium:
Oxidation resistance of superalloys, 8/14, p.20

Chamber of Commerce:
Chamber of Commerce rebuts exploitation charge, 12/4, p.102
Justice Powell, in '71 memo, urged bigger role for chamber, 10/16, p.20

Change:
Is justification for change required? 12/4, p.11

Charity:
Some tips for reporting property donations, 12/4, p.12

Checking Accounts:
Check your taxes, 10/23, p.18

Chemical Industry:
Chemical profits soar 22% in broad-based sales pickup, 8/14, p.58
Chemical stocks? Look for special angles, 7/31, p.10
Ecology to thwart Japan's chemical industry? 11/6, p.68
Multinational furor expected to worsen, 9/4, p.21

Chemicals:
Application of agricultural chemicals by foam, 8/7, p.23

Chemistry:
Research firm finds success formula, 8/21, p.48

Chicago:
Chicago group sets trade agreement with Poland, 8/7, p.60
You can still lose the blues in Chicago, 8/7, p.10

Child Care:
Who'll baby-sit while mom works? 8/7, p.41

Chile:
Chile's fruit shipments bigger, costlier, 8/14, p.68

China:
China draws interest, but few sales as yet, 7/10, p.23
China's industry catches up . . . slowly, 8/14, p.21
China trade demands hard work, 11/6, p.50
Dealing with China is arduous, Boeing sales team finds, 9/25, p.13
Dirty hands communicate better, 11/13, p.9
Electronics men eye China markets, 11/13, p.68
'Great leap forward,' or great leap backward? 7/10, p.64
More air service for China? 9/25, p.13
NMTBA to seek sales in Eastern Europe, 7/31, p.17
Peking hosting Canadian trade fair, 8/28, p.52
U. S.-China trade still few years away, 7/31, p.18
Will China-Japan rapport hurt Taiwan? 10/9, p.16

Cholesterol:
Cholesterol: a Jekyll-Hyde situation, 8/21, p.10

Christmas:
Yule sales to build momentum for '73, 10/23, p.59

Civic Activities:
Get involved in your community, 7/31, p.9

Clamps:
Improving nonmagnetic east iron, 10/16, p.22

Cleaning:
Agnes cleanup poses special problems to plant managers, 7/17, p.19
Extrude-hone is a novel technique for cleaning and deburring metal parts, 10/30, p.20
Trivia cleanup yields big payoff, 8/28, p.9

Clothing & Apparel:
Canada moves to stem import of knits, 10/23, p.68
Coat saver—'hook' it to hanger, 11/20, p.10
Flammable clothing continues to burn people, 7/31, p.20
Pantsuits are passe; but dress codes face braless challenge, 7/24, p.17
You are what you wear . . . 9/25, p.42

Coal:
Aim of coking process: wider range of coals, 9/18, p.21
Bacteria are clearing methane gas from a Russian coal mine, 7/24, p.21
Coal demand waning although fuel crisis should spark boom, 7/17, p.50
'Coal gasification progress' has been announced by scientists, 10/16, p.22
Coal needs billions to meet energy needs, 10/9, p.18
Fine particles of quartz in coal, 9/25, p.24
Growing problems could affect steadiness of soft coal supply, 7/17, p.16
Japan's coal purchases cool down, 9/18, p.78
Making natural gas from coal, 12/18, p.21
Some blast furnace operators are charging 6 to 7% raw coal, 9/25, p.22
The search for a 'clean coal,' 9/18, p.26
Two pilot plants will produce 'clean' coal, 9/25, p.19
Will coal meet varied energy needs? 9/11, p.24

Coal Gasification:
Will energy darkness lead to dawn? 8/14, p.S-13

Coatings: Also See Paint
A heat transfer coating, 8/7, p.23
A new way to make stainless steel involves coating one side, 7/31, p.19
A powder coating machine, 8/28, p.19
Differential tin plate to fill a need in the container industry, 10/9, p.16
Flash rusting, 10/16, p.24
Metal plating of timber, concrete and other building materials, 12/18, p.21
Protecting stainless from high-temperature oxidation and erosion, 11/13, p.20
Stainless cold heading wire no longer needs to be coated with copper, 7/24, p.20
Trouble in measuring the thicker cladding coatings of nickel, 12/11, p.24

Coil Coating:
Coil surface preparation, 12/4, p.41

Coke:
Aim of coking process: wider range of coals, 9/18, p.21
County, state, EPA, USS finally agree on coke cleanup, 10/9, p.12
Some blast furnace operators are charging 6 to 7% raw coal, 9/25, p.22
U. S. Steel agrees to more Clairton cleanup, 10/30, p.17
U. S. Steel coke pact unclear; may be pacesetter, says EPA, 10/16, p.18

Collections:
Medal marks bicentennial of revolution, 7/10, p.10

Colleges:
College money plan might mix fund, insurance, 8/7, p.10
Education: less a matter of degrees, 11/20, p.28
Executive back-to-school traffic picking up, 8/28, p.44
June grads found more jobs, only slightly higher pay, 8/7, p.24
More colleges offering loan programs, 9/4, p.10
New guide aids college planning, 7/31, p.10

Colombia:
Sales, assembly of autos on rise in Colombia, 9/11, p.76

Commerce Dept.:
Commerce Dept. to document U. S. competitiveness, 7/24, p.59
Commerce study sees banner year ahead, 11/6, p.57
Commerce to add East-West trade agency, 11/20, p.59

Committee for Economic Development:
CED sees world body as trade woe answer, 9/25, p.13

Committee on Political Education:
COPE registration effort undiluted, 9/25, p.59
Labor's COPE working hard to beat Nixon, 7/10, p.14

Commodities:
Hi-yo, Silver—away? 8/7, p.33

Common Market:
Advance look at common mart tariff changes, 10/23, p.9
Caribbean countries plan common market, 12/11, p.60
Common market leading to common union? 8/7, p.60
Common market making world's environmental rules? 8/21, p.54
EEC seeking solutions to inflation, 10/23, p.68
U. S. opposes EEC's Mediterranean proposal, 11/20, p.60

Comm/Pro:
'We expect our managers to tell the business story,' 11/20, p.43

Communications:
Beards warn of communications failure, 8/28, p.9
Communications unions talk merger, 11/6, p.67
Direct overseas telex dialing offered, 9/4, p.9
Do your plant tours get the message across? 11/13, p.9
Don't be afraid to lay it on the line, 11/6, p.9
How to sweeten a sour grapevine, 9/11, p.9
'Let's tell everyone,' 8/21, p.18
Program seeks closer campus, business ties, 7/3, p.20
Selective paging, 9/11, p.18
Shop communications can be improved, 7/24, p.21
Speak up—to all elements of society, 9/25, p.9
Ten thieves who steal time, 10/9, p.45
Workers welcome chance to communicate, 7/24, p.9

Communism:
Worried about communists' failure to pay? 12/11, p.60

Community Antenna TV:
CATV can provide low cost security, 10/2, p.17

Commuters:
2 Rs—reading, riding—novel way to M.B.A., 10/2, p.21

Company Image:
'Advertisement' can help to sell yourself upward, 12/11, p.9
Demonstrate your company's message, 10/2, p.9
Disaster is time to be a good neighbor, 8/14, p.9
Is your company ready for tomorrow? 12/11, p.48

Company Policy:
Pplicy on time off to vote avoids confusion, 10/9, p.9

Company Politics: See Politics

Compensation: See Salaries & Wages; also see Bonuses

Competition:
Competing with the big boys, 7/24, p.46
Don't jump onto a price-cut bandwagon, 10/23, p.9
The followers, 10/2, p.5

Competitive Bidding:
Equipment builders and buyers: adversaries or partners? 8/28, p.42

Composites:
A fiber-powder metal composite of high strength, 9/18, p.28
Lightweight roofing made of lead composite materials, 11/13, p.20

Computerized Numerical Control:
Minicomputers push NC to new potential, 9/4, p.50

Computers:
A computer display terminal, 7/10, p.26
A low-cost optical scanner, 11/6, p.22
Among new computer applications being planned, 7/17, p.23
Automatic bill paying moves closer, 9/18, p.12
Computer-aided drafting, 12/4, p.45
Computer makers program pickup to last through '72, 9/11, p.70
Computer time sharing knows no national boundaries, 9/11, p.18
Computerized fare boxes, 7/24, p.20
Computerized machine control, 8/28, p.19
Computerized sewage treatment, 9/4, p.24
Cracks or flaws make noises, 7/3, p.24
Electronics faces problems abroad, too, 10/16, p.76
English lessons will help computers grow, 10/30, p.55
Glove box computer monitors safety systems, 8/7, p.65
High density memories that depend on laser light, 10/30, p.21
Honeywell fortifies computer big guns, 7/3, p.24
Improved TV projectors and optical computer memories, 11/6, p.21
Is export policy short-circuiting computers? 10/9, p.75
Maintaining and storing records, 12/11, p.26
Microfilm, by the year 2000, 9/25, p.24
Microminiature measurements can be made at high speed, 9/4, p.22
Minicomputers lead in '72 installations, 12/11, p.57
Minicomputers push NC to new potential, 9/4, p.50
Russia, Italy best potential computer markets, 8/28, p.52
Software decision brings relief, 12/11, p.59
Soviets programmed to buy more U. S. computers, 7/31, p.52
Virtual memory lets IBM think bigger, 8/7, p.22
Voice recognition computers help route baggage, 11/13, p.24
What effects do contaminants have on workers? 8/21, p.16
Why EDP Cinderellas woo the princes, 7/17, p.43

Conable, Barber:
Conable may be GOP Ways & Means star, 12/11, p.59

Concrete:
A light concrete containing expanded plastic particles, 10/2, p.19
Fast-drying concrete is made by mixing wet aggregate with dry cement, 12/18, p.22

Condominiums:
Tax delay aids condominium popularity, 9/25, p.10
Will your company live in a condominium? 8/28, p.9

Congress:
A legislative peek at 1973, 11/13, p.67
Businessmen will stress Congressional races, 8/21, p.53
Congress considers mass transit money, 8/7, p.15
Congress gets a way to size up technology, 11/6, p.12
Congress holds key to Soviet trade pacts, 10/30, p.11
Congress unhappy with pipeline practices, 11/13, p.67
Congress wants productivity report —in 90 days, 7/31, p.51
Congressional races get right-to-work focus, 9/25, p.59
Hodgson, AFL-CIO list goals for '73, 10/2, p.13
Industry can live with product safety bill, 10/30, p.13
Minimum wage, pension standards failed to emerge, 10/30, p.51
OSHA outcry may stir Congress, 8/21, p.11
Schneebeli, GOP maverick, steps into Ways & Means post, 12/11, p.14
Tax reform . . . will business be cast as the villain? 10/23, p.42
Time runs out . . . Congress faces massive backlog, 7/24, p.11
Water pollution control bill compromise set, 9/18, p.16
With mass transit bill halted, why is the industry optimistic? 11/6, p.13

Connectors:
Friction-welded connectors, 10/16, p.22

Conservation:
Criticism of logging methods spurs reaction by timbermen, 9/18, p.24
Firms gird for energy crisis, launch fuel saving programs, 12/18, p.13
Industrial energy tax proposed as conservation 'incentive,' 9/4, p.15
Next: buildings planned to save energy, 12/18, p.13

Construction: Also See Building
Construction still has plenty of bite, 11/20, p.51
Don't overdesign building energy needs, 9/25, p.23
International gears up for growing construction market, 11/13, p.71
Relocatable structures winning new markets, 10/30, p.54
Second homes pad construction trends, 11/27, p.53
Training method provides 'instant' detailers, 9/18, p.60

Construction Equipment:
Slowdown no worry for equipment makers, 11/27, p.56

Consultants:
Consulting gets a new twist, 12/11, p.36
Need a consultant? More firms use in-house staff to cut costs, 10/16, p.28

Consumer Attitudes:
Consumers' attitudes favorable: sales jump, 7/31, p.50
Consumers confident, but for how long? 12/18, p.50

Consumer Compensation:
Should firms pay out for unsafe products? 9/4, p.18

Consumer Protection:
Action delayed on consumer agency, 7/17, p.51
Industry can live with product safety bill, 10/30, p.13
Moving bill 'inflation' can't top 10%, 9/11, p.10
Peterson urging voluntary labeling compliance, 7/3, p.55
Time runs out . . . Congress faces massive backlog, 7/24, p.11
Voluntary regulation needs modification, 8/28, p.23

Consumer Spending:
Consumers' big ticket purchasing holds high, 9/4, p.58
Food takes more of foreign worker's paycheck, 7/31, p.52
Yule sales to build momentum for '73, 10/23, p.59

Containers:
British unionists dispute container jurisdiction, 8/7, p.60
Containerization's success creates problems, 9/18, p.32
Containers, job losses trouble British docks, 8/7, p.15
Movin' the goods . . . standardization holds the key, 11/13, p.40
Seaway takes weight off shippers, 9/4, p.70
Shaping process may open more markets for steel cans, 7/10, p.21
Two-chambered containers for soft drinks, 10/2, p.19

Contaminants:
What effects do contaminants have on workers? 8/21, p.16

Continuous Casting:
Steelmakers sold on continuous casting, 11/6, p.17

Contractors:
Accounting board may bring strict control of contractors, 7/17, p.22
Federal employment 'quotas' clarified, 10/2, p.51

Contracts:
Eastern Europe deal? Contract is vital, 10/2, p.9

Contributions:
Political contribution plans under fire, 8/28, p.9
You may need proof of deductible contributions, 11/27, p.10

Controllers:
Programmable controllers are getting cheaper, 9/18, p.26
Programmable controllers promise productivity, 7/24, p.38

Controls:
A process control language, 11/20, p.22
Boldt departure at President's pleasure, 11/20, p.59
Business panel maps route toward gradual decontrol, 7/31, p.14
Controls delay oil's needed capacity gains, 11/20, p.56
Controls wear out their welcome, 7/17, p.47
Programmable controllers are getting cheaper, 9/18, p.26
Programmable controllers promise productivity, 7/24, p.38
Strong '73 if controls remain, say analysts, 11/20, p.53

Conventions:
Do your people benefit or do they party? 7/24, p.9
Pollution engineering show—getting an industry together, 12/11, p.19
Union, national politics to vie for interest at USWA conclave, 9/18, p.16

Conveyor Belts:
A visual image processing system activates a robot, 11/13, p.24
Bending a conveyor belt in midflight can be a problem, 8/14, p.22
Portable conveyor versus handling costs, 8/21, p.9

Conveyors:
Voice recognition computers help route baggage, 11/13, p.24

Cookware:
Latest aluminum alloy for cookware, 7/3, p.24

Coolant:
Getting coolant to adhere to the surface of a high-speed grinding wheel, 11/6, p.22

Cooling: See Heating/Cooling

Copper:
Aluminum could replace copper in home wiring systems, 11/13, p.24
Continuous casting of thin tubes of copper or cast iron, 10/16, p.24
'Copper' plumbing could be made of copper coated stainless tubing, 10/23, p.22
Friction-welded connectors, 10/16, p.22

Corporate Planning:
Is your company ready for tomorrow? 12/11, p.48

Corrosion:
You can reduce corrosion for a longer period, 12/11, p.24

Cort, Stewart S.:
Speak out for truth, 11/27, p.43

Cost Control:
Copying efficient operations can cut costs, 11/13, p.9
Fight waste with bombsight approach, 8/7, p.9
Managers find cost relief, but no cure, 9/11, p.59
One overlooked way to cut shipping costs? 7/3, p.19
Phaseouts spread as firms cut costs; push productivity, profits, 11/20, p.18
Portable conveyor versus handling costs, 8/21, p.9
Protecting yourself on moving costs, 8/7, p.10
Think 'should cost'—not 'has cost,' 7/10, p.47
Wasted time can swell your labor costs, 10/16, p.9

Cost of Living:
Cost of living outpaces top executive earnings, 8/14, p.14

Cost Reduction:
Is your cost reduction effort merely 'plugging the dike'? 7/24, p.49

Council of Economic Advisers:
Stein may leave CEA post, 11/20, p.59
Tax rise, deficits not inevitable, insists CEA's Marina Whitman, 7/10, p.16

Council on Environmental Quality:
Cost of pollution control to triple? 8/14, p.19

Cracks:
Cracks or flaws make noises, 7/3, p.24

Credit Cards:
Bank card loans rise despite high cost, 10/16, p.10

Credit & Collection:
Cost of retail credit on way down, 7/31, p.10
Credit bill watching can pay off, 11/20, p.10
More borrowers, less money, credit to tighten, but crunch unlikely, 11/6, p.55
Worried about Communists' failure to pay? 12/11, p.60

Crime:
An experimental laser camera can pick out footsteps, 9/25, p.22

Crops:
How will crops be fertilized tomorrow? 7/3, p.24

Cryogenics:
Adhesives at cryogenic temperatures, 11/6, p.21

Crystals:
Liquid crystals continue to get attention from non-destructive testing people, 11/27, p.18
Liquid crystals function in digital displays, 9/4, p.22

Currency:
Costs abroad soar 20%, 9/25, p.59
'Must cure payments deficit to avert disastrous inflation,' 8/21, p.50
'Patchwork' arrangements weave world currency crisis, 7/10, p.54

Cushions:
A water cushion using a principle similar to an air cushion, 10/2, p.18

Customer Needs:
Do you make products or fill needs? 11/6, p.9

Customer Service:
Customers' letters earn awards for workers, 12/18, p.9
I protest! 8/28, p.5

Customs:
Customs valuations setup being reviewed, 10/9, p.76

Cutters, Cutting:
A compact laser for cutting, welding, and drilling, 10/16, p.24
Tubing cutters normally leave a ridge or lip around the edges they have cut, 8/7, p.22
Two new cutting tool families feature man-made diamonds, 10/23, p.22

Cyanide:
Getting the cyanide out of industrial wastes, 10/30, p.20

Cylinders:
High pressure cylinders of aluminum, 11/13, p.20

Czechoslovakia:
Czech industry lags in efficiency, 9/11, p.76
Czechs study trade climate during visit, 10/23, p.64
NMTBA to seek sales in Eastern Europe, 7/31, p.17

D

DDT:
DDT needs more study before conclusions can be drawn, 7/3, p.22

Data Processing:
How efficient is your data system? 10/2, p.9
Why EDP Cinderellas woo the princes, 7/17, p.43

Day Care:
Who'll baby-sit while mom works? 8/7, p.41

Debates:
Debates perk up dull sessions, 11/27, p.9

Deburring:
Faster deburring and smoothing of zinc, 8/21, p.16

Decision-making:
Don't make decisions until you have to, 9/18, p.11
Insist on knowing why, as well as what, 7/17, p.9
Making better decisions, 11/20, p.45
The equality of ignorance, 10/9, p.50
Three-martini decisions, 10/16, p.5
When to cut the cord, 12/4, p.68
'Will managers have a voice in important decisions?' 10/16, p.14
Will workers decide the foreman is out? 10/16, p.32

Deductions:
Business gifts have $25 tax ceiling, 10/30, p.10
Deducting home entertainment expenses, 8/21, p.10
Education costs may be deductible, 12/11, p.10
Plan your deductions for biggest tax break, 10/23, p.10
Tax services in marital disputes deductible, 12/18, p.10
Timing of payment can be important, 12/4, p.12
You may need proof of deductible contributions, 11/27, p.10

Defense: Also See Military
Even ordnance won't drop with war's end, 12/11, p.53
Ideas from within for defense cost cuts, 8/28, p.19

Degrees:
Is an M.B.A. worth the bother? 12/18, p.25

Dental Care:
Dental insurance rises as fringe benefit, 9/25, p.10

Dept. of Defense:
Ideas from within for defense cost cuts, 8/28, p.19

Dept. of Natural Resources:
A new White House energy office? 11/27, p.59

Desalination:
A novel way to desalt water, 12/4, p.41
Certain aluminum alloys hold great promise for desalting applications, 7/17, p.23

Design Engineering:
Don't overdesign building energy needs, 9/25, p.23

Designers, Designing:
Building height limitations are social, not structural, 9/18, p.26

Detailers:
Training method provides 'instant' detailers, 9/18, p.60

Detectors:
A metal detector made in South Africa, 9/18, p.28
A simple method that uses a radioisotope tracer, 7/3, p.22
A simple way of detecting magnetic bubbles, 10/9, p.16
A sludge level detector permits automatic, continuous control of sludge drainoff in a settling tank, 11/13, p.24
Bacteria can smell out hidden explosives, 10/16, p.22
Being around high voltage, 9/25, p.22
Carbon monoxide poisoning can be detected inexpensively, 8/7, p.22
Detecting sheets fluidically as thin as 0.003 in., 8/31, p.17
Detecting turbulent sections of clear air, 9/25, p.24
Growing use of X-rays as detection tools, 7/17, p.23
Hazardous, explosive fumes are detected, 8/28, p.20
Holographic inspection of materials, 7/3, p.22
Ignition detection can be tricky and sometimes dangerous, 12/18, p.22
Industrial park security system aims at theft, 10/9, p.9
Oil sampling serves as a diagnostic procedure for engines and transmissions, 11/6, p.21
Optical analysis of 'ringing' impulses produced by striking metal structures, 11/6, p.22
Rust thickness is determined by a punch-and-probe laser system, 10/9, p.16
Testing easy-open can ends for leaks, 10/23, p.22

Devaluation:
Costs abroad soar 20%, 9/25, p.59
No overnight cure for trade troubles, 7/24, p.53

Developing Nations:
Developing nations' firms get export tips, 10/9, p.76
Developing nations need more aid, 7/3, p.56
Recycling spreads to another resource: executives, 8/7, p.44
U. S. loan to aid Pakistan's development, 10/30, p.52

Development Council:
Group aims at 25,000 jobs in the ghetto, 10/9, p.75

Diamonds:
Two new cutting tool families feature man-made diamonds, 10/23, p.22

Diecasting:
Controlling die temperature, 10/30, p.20

Diesel:
Diesel a forgotten entry in 1976 clean engine race? 11/27, p.22
Smoky diesels could be a thing of the past, 10/9, p.16

Diets:
Cholesterol: a Jekyll-Hyde situation, 8/21, p.10

Dinosaur Club:
Are you a member of the Dinosaur Club? 9/25, p.9

Direct Mail:
Want your name off direct mail ad lists? 8/14, p.10

Direct Reduction:
More steelmen consider direct reduction plants, 12/18, p.20

Disability Days:
'Disability days' average 15 per year, 8/7, p.9

Disaster:
Disaster is time to be a good neighbor, 8/14, p.9
New law expands disaster relief, 11/13, p.9

Distribution:
Movin' the goods . . . more trade-offs mean better distribution, 10/30, p.26
Movin' the goods . . . part 2, advances must be integrated into system, 11/6, p.37
Movin' the goods . . . part 3, standardization holds the key, 11/13, p.40

Distributors:
A prescription for healthy distributors, 9/18, p.50
Distributing firms must 'grow or die,' 7/3, p.54
Set and enforce distributor standards, 9/4, p.9

Diversification:
'Nontobacco' industry chalks up big scores, 9/11, p.40

Dividends:
Dividend panel modifies 1973 rules, 12/18, p.51
Dividends below long-run average, 9/18, p.77
Wages and dividends, 8/14, p.67

Dockworkers:
Containers, job losses' trouble British docks, 8/7, p.15

Donations:
EEC commemorates Marshall Plan with donation, 8/28, p.52

Draft:
Zero draft may result in need for better civilian job training; 11/13, p.15

Drafting:
Computer-aided drafting, 12/4, p.45

Drilling:
A compact laser for cutting, welding, and drilling, 10/16, p.24
A novel electrochemical machining drill, 7/10, p.26

Drinking:
Three-martini decisions, 10/16, p.5
Tips for better homemade martinis, 12/18, p.10

Driving:
Safe driving hints for winter, 12/4, p.12

Drugs:
Drug pushers invade employment rolls, 7/24, p.9
Firms seen reluctant to give drug tests, 7/24, p.27
Here, Joe, try one of mine, 8/28, p.37
L-Dopa, a drug used to treat sufferers of Parkinson's disease, 10/23, p.20
Marijuana and hashish can cause structural changes in brain tissue, 10/16, p.24

Dumping:
A small industry challenges Japanese competitors, 12/18, p.41
Changes due soon in antidumping rules, 10/2, p.51
Dumping and import assistance changes proposed, 7/3, p.55
U. S. toughens dumping stance; staff checks more cases faster, 7/3, p.27

Dust:
Pelletizing in-plant dust and sludge into a blast furnace material, 7/10, p.22

E

Earnings:
Earnings ratios high for U. S. firms in India, 10/9, p.76
SEC weighs testimony on earnings forecast rules, 12/18, p.15

East-West Trade Expansion Committee:
Group to aid sales to eastern nations, 8/21, p.53
Need help in winning eastern markets? 9/11, p.9

Eating:
Overweight? Try eating more slowly, 11/6, p.10

Ecology:
Ecology influencing material decisions, Metals Show told, 10/23, p.16
Ecology to thwart Japan's chemical industry? 11/6, p.68
Lead-free sales fizzle; oil firms await emissions answers, 12/11, p.57
Who gets saddled with pollution control? 9/18, p.42

Economists:
Can recovery survive Nixon policies? 8/7, p.53
Economic growth is strong so far —but can it continue? 7/31, p.46
Economics out, politics in as business' chief concern, 7/10, p.53
Economists project favorable '73, but not without pitfalls, 10/2, p.13
Inflation is dying: long live inflation? 10/9, p.59
McGovern's economics stirs debate among economists too, 7/24, p.13
The '73 economy looks good, but the problems linger on, 8/28, p.12

Editorials:
Business bureaucracy, 10/9, p.5
Campbell goes on welfare, 10/23, p.5
Goodby, Mr. Loyalty, 11/27, p.5
I protest! 8/28, p.5
Isn't it a shame? 9/11, p.5
Lift in capital goods, 7/17, p.5
More on fear, 8/7, p.5
Not good enough!! 7/31, p.5
Not them, but us, 11/20, p.5
Overkill, 7/10, p.5
Pollution of panic, 12/4, p.5
Search for solutions, 9/4, p.5
Self-enrichment, 9/18, p.5
Service economy? 8/21, p.5
Shrdlu's platform, 8/14, p.5
Sniff for the EPA, 10/30, p.5
Supercustomer, 11/13, p.5
The best education . . . , 12/18, p.5
The followers, 10/2, p.5
The will to work, 11/6, p.5
Three-martini decisions, 10/16, p.5
V. P.-killing things, 9/25, p.5
V.P.-prevention, 12/11, p.5
Welfare for strikers, 7/24, p.5
What do you fear? 7/3, p.5

Education:
Can entrepreneurs be trained at USC? 7/31, p.22
College money plan might mix fund, insurance, 8/7, p.10
Education costs may be deductible, 12/11, p.10
Education: less a matter of degrees, 11/20, p.28
Executive back-to-school traffic picking up, 8/28, p.44
Is an M.B.A. worth the bother? 12/18, p.25
Labor Dept. officials head back to school, 7/24, p.59
New guide aids college planning, 7/31, p.10
The best education . . . , 12/18, p.5
2 Rs—reading, riding—novel way to M.B.A., 10/2, p.21

Election Year:
Business must tell its story in election year, 10/23, p.9
Labor still has a big stake in the election, 10/30, p.40
New bedfellows: companies and politics, 9/25, p.46
The '73 economy looks good, but the problems linger on, 8/28, p.12

Elections:
Steel industry watching 1973 USWA elections, 8/14, p.13

Electric Vehicles:
Electric vehicle to get more study, 9/18, p.22

Electrical Equipment:
Electrical goods producers sight record year ahead, 8/21, p.56
Liquid crystals function in digital displays, 9/4, p.22
Transformer market to triple over 10 years, 9/25, p.54
12th growth year for electrical goods? 12/4, p.90
We're going to have 1.5 million volt power transmission lines, 12/11, p.26

Electricity:
Being around high voltage, 9/25, p.22
Contract signed for offshore atom plants, 10/9, p.18
Electric power transmission through a superconductive transmission line, 7/17, p.24
Expect up to 30% lower cost of generating electricity via pressurized water reactors, 9/25, p.24
Large hovering satellites may beam large quantities of electrical energy to earth, 7/24, p.20
Superpower electric plants proposed for offshore sites, 8/21, p.17

Electrochemical Machining:
Better electrolytes for electrochemical machining, 10/30, p.21

Electrolytes:
Better electrolytes for electrochemical machining, 10/30, p.21

Electromagnetic Radiation:
Seeds, plants, and insects have susceptibility to electromagnetic radiation, 8/28, p.19

Electron Beams:
Line widths on integrated circuits, 7/3, p.22
Plastic shoe uppers are being made permeable, 8/14, p.20

Electronic Applications:
New materials for electronics, 7/17, p.24

Electronic Communications:
Another mission to Moscow, 9/25, p.59

Electronic Data Processing: Also See Computers; also see Information Storage & Retrieval
Why EDP Cinderellas woo the princes, 7/17, p.43

Electronic Equipment:
A laser control for machine tools, 7/17, p.24
A $1 billion market? TRW zeros in on auto electronics, 12/11, p.63
Another forecast says . . . autos to use more electronics, 10/9, p.81
Artificial (prosthetic) hands controlled by advanced electronics, 10/2, p.18
Electronic calculator buffs, 7/17, p.24
Need a low cost memory device for indexing of equipment? 8/14, p.20

Electronics Industry:
Electronics faces problems abroad, too, 10/16, p.76
Electronics firms urged to cultivate overseas markets, 9/18, p.63
Electronics market of $205 billion seen, 7/10, p.55
Electronics men eye China markets, 11/13, p.68

Embezzlement:
How to discourage worker embezzlement, 8/14, p.9

Emission Control:
Auto emissions rules branded 'unrealistic,' 7/3, p.21
More answers to 1976 emission problems? 10/16, p.81
Smog is leaving Los Angeles? Yes, but it may be back, 8/21, p.22
Sulfur oxide emission control, 9/11, p.18
Unknowns still plague exhaust cleanup fight, 12/18, p.57
Will platinum catalysts clean up in autos? 8/7, p.17

Employee Attitudes:
All-employee surveys may hide facts, 11/27, p.9
Antidote for stress: liking your job, 9/25, p.10
Employee theft rising, but you can slow tide, 12/11, p.28
Orders get better results if you tell why, 10/2, p.9
Our forgotten strength: the will to work, 9/4, p.S-1
Profit payoff lags boost in morale, 9/18, p.11
Profits lesson can aid fight against waste, 10/9, p.9
Swapping managerial garbage, 10/2, p.40

Employee Behavior:
Do your people benefit or do they party? 7/24, p.9

Employee Benefits:
Are workers aware of all benefits? 11/6, p.9
Employee benefits to change with times, 10/30, p.48
Employee thrift plans grow more liberal, 7/17, p.22
Few states could get additional jobless benefits, 12/18, p.51
'I'll work when I feel like it'—a promise, not a threat, 8/7, p.36
Put all employees on your sales team, 7/17, p.9
Unusual route to employee ownership gains some ground, 9/4, p.27

Employee Performance Reviews:
Performance reviews: dreaded, but valuable, 11/27, p.46

Employee Relations:
A pat on the back can boost productivity, 10/30, p.9
Assembly-to-inspection shifts can be enriching, 12/4, p.11
Beards warn of communications failure, 8/28, p.9
Combine evaluation with sounding off, 8/28, p.9
Dirty hands communicate better, 11/13, p.9
Do you fire or rehabilitate an alcoholic? 11/6, p.9
Don't be afraid to lay it on the line, 11/6, p.9
Don't let your star workers fizzle out, 10/16, p.9
Foremen can boost effort against alcoholism, 7/3, p.9
Hobby program aids employee relations, 7/10, p.9
Involvement rekindles will to work, 9/4, p.S-10
Performance reviews: dreaded, but valuable, 11/27, p.46
Stress opportunities, cut turnover, 9/4, p.9
Today's manager frequents 'the floor,' 9/4, p.9
Utilize all the members of your team, 9/11, p.9
Want productivity? Let workers improve jobs, 12/4, p.36
What's wrong with your employee relations? 7/3, p.34
Workers welcome chance to communicate, 7/24, p.9
'Working smarter' provided to pay off in productivity gains, 9/25, p.12
Your attitude is critical to worker motivation, 11/20, p.22

Employee Traits:
Worst offenders can set improvement pace, 11/20, p.9

Employment/Unemployment:
Behind the unemployment headlines, 10/30, p.51
Bill boosting full employment waits in Senate, 9/4, p.69
EEC jobless rate up; labor gains noted, 9/18, p.29
EEC unemployment and prices still rise, 10/16, p.76
Federal employment 'quotas' clarified, 10/2, p.51
Few states could get additional jobless benefits, 12/18, p.51
Industry's hiring edges up, but slowly, 11/13, p.57
Industry sees more need for workers, 7/24, p.56
Is unemployment picture out of focus? 7/3, p.28
JOBS program enters fifth year, 7/17, p.51
Labor Day messages stress economy, jobs, 9/11, p.14
Lean days ending? Executives jump back into job mart, 7/17, p.11
More engineers are finding jobs, 8/14, p.67
Recruiting now 'geared to profits,' 10/23, p.12
Some skilled help is getting harder to find, 8/28, p.11
What would 2% unemployment be like? 8/7, p.59
Zero draft may result in need for better civilian job training, 11/13, p.15

Enameling:
Porcelain enameling requires specialized steels, 10/2, p.19

Energy:
A new fiber optic material that transmits 20 times more light energy, 7/17, p.23
A new White House energy office? 11/27, p.59
Another call for a U. S. energy policy, 8/28, p.51
Coal needs billions to meet energy needs, 10/9, p.18
Don't overdesign building energy needs, 9/25, p.23
Energy crunch may cool foreign investment, 9/4, p.28
Energy poverty in the midst of plenty, 8/14, p.S-9
Finns' power needs to grow through 1970s, 11/20, p.60
Firms gird for energy crisis, launch fuel saving programs, 12/18, p.13
Foreign energy hearings off until January, 12/18, p.51
Industrial energy tax proposed as conservation 'incentive,' 9/4, p.15

Large hovering satellites may beam large quantities of electrical energy to earth, 7/24, p.20
Make energy choices now, say two experts, 11/20, p.16
Next: buildings planned to save energy, 12/18, p.13
Oil execs unite on energy plan; White House policy due in '73, 11/20, p.14
Only Russia to escape energy crisis, 10/23, p.68
Petroleum council study due in September, 7/10, p.63
Senate unit to review foreign energy sourcing, 11/27, p.59
Solid electrolyte fuel cells, 10/2, p.18
U. S. lands are important energy resources, 7/10, p.63
U. S. waking up to new trade truths, 10/2, p.43
Vast Australian gas reserves could ease U. S. energy crisis, 10/9, p.23
Will atom power be ready when needed? 11/27, p.13
Will coal meet varied energy needs? 9/11, p.24
Will energy darkness lead to dawn? 8/14, p.S-13
Will industry flicker as energy fades? 8/14, p.S-1
Wyoming has energy 'treasure' map, 8/14, p.24

Engineering:
Engineering grads find better picking, 8/28, p.15

Engineers:
Engineers working on school-industry bridge, 7/10, p.18
More engineers are finding jobs, 8/14, p.67
Need for executives, engineers is rising, 11/13, p.58

Engines:
A novel combustion system for turbines, 7/24, p.21
An external combustion engine is being pushed as a power source for autos, 7/31, p.19
Clear Air Car Race broadens objectives, 8/7, p.65
Diesel a forgotten entry in 1976 clean engine race? 11/27, p.22
GM 'road tests' engines in a laboratory, 7/3, p.61
Machine tool builders believe Wankel is starting a revolution, 9/4, p.16
Wankel could change U. S. auto design, 7/3, p.61
Wankel to cut costs, boost capital spending, 10/30, p.17
Will an old design become a new engine? 8/28, p.57
Will Wankels power a machine tool boom? 8/14, p.73

English Language:
English lessons will help computers grow, 10/30, p.55

Entertainment:
Deducting home entertainment expenses, 8/21, p.10

Enthusiasm:
Enthusiasm is vital to success, 8/21, p.9

Entrepreneurs:
Can entrepreneurs be trained at USC? 7/31, p.22
Competing with the big boys, 7/24, p.46

Environment:
Aspinall loss buoys environmentalists, 10/9, p.75
Common Market making world's environmental rules? 8/21, p.54
Cut-rate environmental loans available, 11/20, p.9
Peterson argues for systems approach to cleanup, 10/16, p.75
UN group to deal with environment, 8/7, p.60

Environmental Protection Agency:
Anaconda to fight EPA's ground rules, 10/23, p.19
EPA approves more state air plans, 10/9, p.75
EPA approves more state air plans, 11/13, p.67
EPA's clean air rules trigger 'classic' fight with smeltermen, 8/28, p.22
EPA finishing state air plans, 7/3, p.55
EPA says pollution laws won't hurt steel, 10/23, p.67
EPA, steel tiff over cleanup costs may be first of many, 11/6, p.18
New discharge permit system proposed, 12/4, p.101
New York mulls a noise law amid whispers it's unrealistic, 8/14, p.26
Small refiners may see lead rules eared, 11/13, p.17
Sniff for the EPA, 10/30, p.5
U. S. Steel coke pact unclear; may be pacesetter, says EPA, 10/16, p.18
Unsnarling data jam may be cleanup key, says EPA chief, 10/2, p.16
Water bill problems surface, 10/9, p.11

Environmentalists:
Sierra Club seeking court action speedup, 7/24, p.14

Epilepsy:
Epileptic seizures, 10/2, p.19

Equal Employment Opportunity Commission:
EEOC to tighten enforcement, 10/23, p.11
Equality for everybody—or else . . . , 11/13, p.32

Equal Opportunity Coordinating Council:
Government moves to cut some red tape, 7/10, p.63

Equal Opportunity Efforts:
Blacks unite for clout in labor, 11/6, p.67
Cost of discriminating in hiring is high, 11/27, p.51
EEOC to tighten enforcement, 10/23, p.11
Equality for everybody—or else . . . , 11/13, p.32
Federal employment 'quotas' clarified, 10/2, p.51
Firms act on women's rights; government spurs some action, 9/11, p.19
Gearing up for equal opportunity, 9/11, p.20
Group aims at 25,000 jobs in the ghetto, 10/9, p.75
Managers challenged . . . find better ways to utilize people, 11/6, p.11
Minority quotas on way out? 9/25, p.59

Estate Planning:
Cut estate fees through revocable trust, 8/14, p.10
Joint ownership may not be best estate plan, 11/13, p.10
Popularity of short-term trusts falls, 7/10, p.10

Etching:
Etched identifications reduce equipment theft, 11/20, p.9

Europe:
Eastern Europe deal? Contract is vital, 10/2, p.9
Europe nearing U. S. pollution standards, 10/23, p.26
Europe tries group plane purchases, 12/4, p.26
European aerospace mergers—can they get off the ground? 7/31, p.40
European solidarity to help U. S. multinationals, 9/4, p.70
European steelmakers fight price ceilings, 11/6, p.22
European union maps multinational coalition, 10/16, p.76
Europeans agree to international patent system, 8/14, p.68
Europeans offer 'split image' of U. S. multinationals, 7/17, p.26
French executives lead European salary race, 11/27, p.60
Russia, Italy best potential computer markets, 8/28, p.52
Smaller European countries going to nuclear power, 9/11, p.76
U. S. firms invited on European trade mission, 9/25, p.60
U. S. trade with East Europe growing, 10/2, p.51
You can avoid Europe's value-added taxes, 11/6, p.10
Yugoslavia: easy way into Eastern Europe? 7/10, p.20

European Economic Community:
Claims EEC's center has labor, needs jobs, 7/10, p.27
Common Market making world's environmental rules? 8/21, p.54
EEC agreements seen hurting world trade, 8/7, p.25
EEC commemorates Marshall Plan with donation, 8/28, p.52
EEC jobless rate up; labor gains noted, 9/18, p.29
EEC playing catch up in advertising spending, 10/9, p.76
EEC seeking solutions to inflation, 10/23, p.68
EEC unemployment and prices still rise, 10/16, p.76
EEC will compensate nations for trade losses, 12/18, p.52
EEC yields on farm products tax, 9/4, p.70
Good outweighs bad in EEC's growth, 10/2, p.18
Italy finally to adopt value-added tax, 12/4, p.102
Japan's automakers ease into EEC, 8/7, p.60
Japan lukewarm about investment in EEC, 12/11, p.60
'Lib and let lib,' say Europe's workwomen, 11/13, p.68
Norway's 'no' complicates European trade, 10/30, p.52
Pace of EEC's capital spending slackens, 7/24, p.60
Tobacco men label tax moves dangerous to export health, 8/7, p.58
UK steel price woes concern EEC, 12/18, p.19

Evaluation:
Combine evaluation with sounding off, 8/28, p.9

Executives:
Cost of living outpaces top executive earnings, 8/14, p.14
Executive back-to-school traffic picking up, 8/28, p.44
Executive hiring turns conservative, 10/23, p.11
Executives 'white hot' in heated job market, 7/3, p.51
Firing the expensive executive, 11/20, p.9
Firms unhappy with 'overkill' of mid-1960s executive hiring, 8/7, p.17
Lean days ending? Executives jump back into job mart, 7/10, p.11
Manager job openings spurt, exceed lookers, 9/4, p.66
Need for executives, engineers is rising, 11/13, p.58
Overseas execs win varying pay hikes, 11/6, p.22
Recycling spreads to another resource: executives, 8/7, p.44
Seeking a job? Write your own resume, 11/13, p.10
Study spotlights executive pay trends, 12/18, p.46
Top executive salaries rise 5.1% in 1971, 7/31, p.22
What executives see ahead, 11/20, p.37
You are what you wear . . . 9/25, p.42

Exhaust:
Exhaust gases can be cleaned efficiently, 8/21, p.16

Expenses:
Deducting home entertainment expenses, 8/21, p.10
Expense accounts aren't second incomes, 10/2, p.35
How does your mileage allowance stack up? 7/3, p.10
Managers find cost relief, but no cure, 9/11, p 59

Explosives:
Bacteria can smell out hidden explosives, 10/16, p.22

Export-Import Bank:
Eximbank business is booming, 8/28, p.51
Eximbank's full service for exporters, 9/11, p.46
Export-Import Bank strikes back, 9/18, p.77

Exports, Imports:
A boost for small business exports, 10/2, p.52
A smaller U. S. trade deficit in 1973? 11/27, p.20
Apparel makers' import fight continues despite agreement, 8/28, p.50
Appliance firms study boosting exports, 7/3, p.19
Australia eyes U. S. hard goods markets, 10/2, p.14
Auto imports cause 'head scratching,' 7/24, p.26
Brazil further loosens investment rules, 9/25, p.60
Canada moves to stem import of knits, 10/23, p.68
Canada slates trade fairs to push exports, 11/27, p.60
Chile's fruit shipments bigger, costlier, 8/14, p.68
Competitive heat wilts some U. S. exports, 10/30, p.12
Detroit to share record with imports, 11/27, p.54
Developing nations' firms get export tips, 10/9, p.76
Dumping and import assistance changes proposed, 7/3, p.55
Eximbank's full service for exporters, 9/11, p.46
Export cooperative formed with 1918 law, 7/10, p.24
Export gains come grudgingly slow, 9/18, p.61
Export of Korean castings creeping upward, 11/27, p.60
Export prices drop—slightly, 10/16, p.75
FPC ruling may kill LNG import plans, 7/17, p.13
Foreign energy hearings off until January, 12/18, p.51
Freer import policy due soon, Japan tells development chiefs, 10/23, p.13
Good export potential in instruments, 9/18, p.78
Growth in paper exports faces European roadblock, 7/31, p.53
Have imports passed their peak? 12/4, p.107
Import adjustment assistance needs changes, 9/11, p.75
Import quotas could aid apparel investment, 10/30, p.56
Imports' lagging sales could hit U. S. suppliers, 10/23, p.73
Is export policy short-circuiting computers? 10/9, p.75
Israeli metal industry sees $400 million in exports by 1981, 11/20, p.24
Japan's coal purchases cool down, 9/18, p.78
Japan further reduces import barriers, 8/28, p.52
Justice Dept. seeks dismissal of steel suit, 9/11, p.13
Kearns blasts export efforts of U. S. firms, 7/17, p.51
Mexico's glass exports rise sharply, 9/18, p.78
More emphasis on expanding U. S. exports, 12/18, p.51
MFN wouldn't bring Soviet import flood, 7/24, p.59
NAM is studying trade barriers, 9/4, p.28
Natural gas imports at a new high in 1971, 7/31, p.51
New tariff nomenclature for the U. S.? 8/28, p.51
Oil import rise favors international producers, 11/6, p.10
Quotas slow textile imports; foreign firms shift product mix, 7/3, p.26
Sales boom, but British auto firms famish; imports feast, 10/9, p.25
Seattle fair to feature Russian export goods, 7/31, p.18
Small cars winning, imports losing in bonanza auto year, 7/10, p.58
Steel imports set another record, 7/10, p.51
Steel's troubles in West show import power, 7/24, p.28

Taiwan's free trade zones boost shipments, 7/31, p.52
Trade deficit could hit $5 billion —or more, 8/14, p.20
Trade deficit mounts, but reversal is seen, 11/6, p.19
Trade mission hikes Canada's exports to Japan, 7/3, p.56
Trade surplus could return in the fall, 7/31, p.51
U. S. and Japan share trade rift blame, must share solution, 10/30, p.22
U. S. manufactured exports do better, 11/6, p.60
U. S. mineral imports to soar during decade, 9/11, p.70
U. S. trade with East Europe growing, 10/2, p.51
U. S. waking up to new trade truths, 10/2, p.43
Waste wood chips for sale, 8/28, p.16
West Coast swamped by steel imports, 7/10, p.52
What happened to our technology lead? 9/25, p.28

Extrude-hone:
Extrude-hone is a novel technique for cleaning and deburring metal parts, 10/30, p.20

Extrusion:
High plasticizing performance with low-cost compounds, 12/18, p.22

Eyes:
Eye surgery for removal of cataracts, 7/10, p.22

F

Fabricated Metals:
Fabricated metals field still lags —but bright spots emerge, 10/9, p.60

Fabrics:
Canada moves to stem import of knits, 10/23, p.68
Ultrasonic joining of synthetic fabrics, 7/17, p.23

Fares:
Computerized fare boxes, 7/24, p.20

Farm Equipment:
Farm tillage speeds have just about doubled since 1950, 9/11, p.17

Farm Products:
EEC yields on farm products tax, 9/4, p.70

Farms, Farming:
Farm tillage speeds have just about doubled since 1950, 9/11, p.17
Seeds, plants, and insects have susceptibility to electromagnetic radiation, 8/28, p.19

Fasteners:
The self-punch clinch can replace many fastening methods, 8/14, p.20

Fear:
More on fear, 8/7, p.5
What do you fear? 7/3, p.5

Federal Deficit:
Federal deficit estimate continues upward, 11/20, p.59

Federal Government: Also See Nixon Administration
An end to obfuscation? 11/20, p.59
Another call for a U. S. energy policy, 8/28, p.51
Bill boosting full employment waits in Senate, 9/4, p.69
Can Nixon's new team manage government? 12/11, p.11
Federal 'suggestions' for workmen's compensation, 8/7, p.13
Firms act on women's rights; government spurs some action, 9/11, p.19
Government, industry executives sample each other's worlds, 10/9, p.41
Government moves to cut some red tape, 7/10, p.63
'Government spending signals real danger,' 7/24, p.57
Industry productivity outgains government's, 7/24, p.24
New House Judiciary head? 7/3, p.55
Overkill, 7/10, p.5
Regulation to oblivion, 7/10, p.S-1
Supercustomer, 11/13, p.5
Transportation bills near approval, 9/4, p.69
U. S. lands are important energy resources, 7/10, p.63

Federal Power Commission:
FPC ruling may kill LNG import plans, 7/17, p.13
FPC's Walker to exit, 12/4, p.101
More gas, but higher prices may follow FPC price actions, 8/14, p.24

Federal Reserve Board:
Will the fed cover for a spending binge? 8/7, p.59

Federal Trade Commission:
Merger pace continues decline, 8/28, p.51
More teeth for truth in advertising? 8/7, p.16

Federation of Telephone Workers of Pennsylvania:
Labor's newest tool: slogans, not strikes, 12/18, p.24

Felt:
Felt demand has right feel, 8/28, p.12

Fertilizer:
Air dropped fertilizer may provide profit to tree farming, 7/24, p.21
How will crops be fertilized tomorrow? 7/3, p.24

Fiber Box:
Fiber box shipments point to strong '72, 8/21, p.57

Fiber Optics:
A new fiber optic material that transmits 20 times more light energy, 7/17, p.23

Fiber-powder Metal:
A fiber-powder metal composite of high strength, 9/18, p.28

Fiberglass:
Fiberglass is challenging steel as the building material for lighters, 9/25, p.22
Fiberglass reinforced plastic: 'now a basic,' 11/20, p.56

Files, Filing:
Among new computer applications being planned, 7/17, p.23
To keep abreast, file it yourself, 8/7, p.9

Film:
A dry process color film, 9/18, p.28
Intensifying screens can increase the sensitivity of X-ray film and shorten exposure time, 11/20, p.22
Making thin plastic films with ultraviolet light, 8/7, p.23
Research firm finds success formula, 8/21, p.48

Filters:
Need pure water? 7/17, p.24

Financial Officers:
Should finance do more than keep score? 7/31, p.24

Financial Planning:
Cash, tax break both possible on realty deal, 9/11, p.10
'Economy needs more leeway to deal with financial crises,' 9/4, p.68

Financing:
Automatic bill paying moves closer, 9/18, p.12
New auto financing plan aids traders, 8/14, p.10
Should finance do more than keep score? 7/31, p.24

Finland:
Finnish economy has good news, bad news, 9/25, p.60
Finns' power needs to grow through 1970s, 11/20, p.60
Finns, Soviets combine capitalism, socialism, 12/11, p.60

Fire:
Flammable clothing continues to burn people, 7/31, p.20

Fire Prevention:
Tie safety push to fire prevention? 8/21, p.9

Firing Employees:
Do you fire or rehabilitate an alcoholic? 11/6, p.9
Firing the expensive executive, 11/20, p.9

Fiscal and Monetary Policies:
Can recovery survive Nixon policies? 8/7, p.53
Group of 20 not trade forum, feels U. S., 7/10, p.63
India's reserves show strong increase, 7/24, p.60
Monetary talks also study trade rules, 9/25, p.15
'Patchwork' arrangements weave world currency crisis, 7/10, p.54
Switzerland to join international monetary fund? 7/10, p.64

Fish:
I protest! 8/28, p.5

Fish Farming:
Industry still 'fishing' for growth, 9/11, p.54

Flat Mounts:
A novel leadless flat mount, 10/2, p.18

Flatware:
Tool, die firm signs Russian contract, 12/4, p.102

Flextime:
'I'll work when I feel like it'— a promise, not a threat, 8/7, p.36

Flood Damage:
Agnes cleanup poses special problems to plant managers, 7/17, p.19
Lewistown, after flood washed out jobs, seeks new employers, 10/2, p.20

Fluorescent Lamps:
Latest fluorescent lamp design, 7/31, p.20

Fly Ash:
Fly ash, a common air pollutant, 9/25, p.24

Foam:
Application of agricultural chemicals by foam, 8/7, p.23
Foam furniture without interior framing is possible, 8/28, p.19
New polyurethane foam can be made from reclaimed foam, 7/24, p.20

Followers:
The followers, 10/2, p.5

Food:
A food preservative produced by bacteria, 12/4, p.45
Adding extra protein to bread, 11/6, p.22
Agriproduct boosts crop growth, yield, 10/16, p.28
Food takes more of foreign workers' paychecks, 7/31, p.52
New products from soybeans, 7/31, p. 20
Technology expands food industries, 10/16, p.52
What's in macaroni? FDA plans new rule, 11/6, p.13

Food & Drug Administration:
What's in macaroni? FDA plans new rule, 11/6, p.13

Food Industry:
Controls, competition keep food industry in market bind, 9/18, p.64

Food Processing:
A cryogenic tomato peeling process, 9/11, p.18
Food processors to cook up more soybeans, medium rare, 12/18, p.49
With new process, better taste, we'll eat more synthetic food, 7/17, p.25

Forecasts:
SEC weighs testimony on earnings forecast rules, 12/18, p.15

Foreign Aid:
Developing nations need more aid, 7/3, p.56

Foreign Competition:
Changes due soon in antidumping rules, 10/2, p.51
Commerce Dept. to document U. S. competitiveness, 7/24, p.59
Competitive heat wilts some U. S. exports, 10/30, p.12
Competitor emerging south of the border, 10/2, p.31
Let's build a partnership of purpose, 11/27, p.S-1
U. S. manufactured exports do better, 11/6, p.60
U. S. toughens dumping stance; staff checks more cases faster, 7/3, p.27
What happened to our technology lead? 9/25, p.28

Foreign Investments:
Australia limits foreign takeovers, 10/30, p.52
Belgium's business climate good for U. S. firms, 7/3, p.56
Brazil further loosens investment rules, 9/25, p.60
Brazil still promoting foreign investment, 10/23, p.68
Claims EEC's center has labor, needs jobs, 7/10, p.27
Do taxes prompt foreign investment? 7/17, p.17
Earnings ratios high for U. S. firms in India, 10/9, p.76
Energy crunch may cool foreign investment, 9/4, p.28
Europeans offer 'split image' of U. S. multinationals, 7/17, p.26
Foreign money rules may wait until '73, 8/21, p. 19
Freer import policy due soon, Japan tells development chiefs, 10/23, p.13
Indonesia continues to attract investors, 8/14, p.68
Israeli metal industry sees $400 million in exports by 1981, 11/20, p.24
Japanese investments in U. S. relatively small, 10/2, p.52
Most multinationals do better overseas, 10/16, p. 66
Papua-New Guinea wants 'sensitive' investors, 7/3, p.56
Pinpointing a plant's needs could lure foreign investment, 11/13, p.26
U. S. textile firm enters joint venture, 7/10, p.64
Venezuela imposing curbs, but foreign capital is still welcome, 7/10, p.24
Yemen courts foreign investors, 8/28, p.52
Yugoslavs give foreign investment new twist, 12/4, p.102

Foreign Markets:
Foreign - financed firms outpace Japan's domestics, 9/11, p.76
Foreign R&D: threat with a silver lining, 10/16, p.50

Foreign Subsidiaries:
Study says foreign subsidiary taxes cost U. S. firms millions, 7/17, p.18

Foremen:
Foremen can boost effort against alcoholism, 7/3, p.9
Will workers decide the foreman is out? 10/16, p.32

Forest Industry:
Japanese trade pact cheers lumbermen, 9/18, p.77

Forest Products:
Can Phase 2 work in forest products? 12/4, p.86
Finns, Soviets combine capitalism, socialism, 12/11, p. 60
Forest product firms finally see profits turn, 8/28, p.48

Forests:
Demonstrate your company's message, 10/2, p.9

Forging, Forgings:
Forging business shifts to full speed, 11/6, p.62
Giant forging press starts to pay its way, 10/30, p.16
Mesta moves into high energy forging, 7/10, p.24
Protecting forgings or castings during heating, treating, 11/27, p.19

Foundries:
Small foundries hit hard times but huge expansions multiply, 7/3, p.18

France:
EEC seeking solutions to inflation, 10/23, p.68
French executives lead European salary race, 11/27, p.60
French steelmakers to spend $3 billion, 11/20, p.60

Free Enterprise:
Let's build a partnership of purpose, 11/27, p.8-1

Freight Cars:
Freight car charges could spur carbuilding, 11/13, p.27
Managers coping with freight car shortage, 8/28, p.47
No massive shortage of freight cars—yet, 12/11, p.27
Railroad equipment makers sidetracked by uphill climb, 11/13, p.61

Freon:
Removing microparticles from soil samples, 9/25, p.24

Fruit:
Chile's fruit shipments bigger, costlier, 8/14, p.68

Fuel:
Clean burning of even heavy fuel oils, 10/9, p.16
Energy poverty in the midst of plenty, 8/14, p. 8-9
Firms gird for energy crisis, launch fuel saving programs, 12/18, p.13
Make energy choices now, say two experts, 11/20, p.16
Smoky diesels could be a thing of the past, 10/9, p.16
Will industry flicker as energy fades? 8/14, p.8-1
Winter fuel shortages loom; heating oil is a new problem, 12/4, p.16

Fuel Cells:
Solid electrolyte fuel cells, 10/2, p.18

Fuel Supplies:
Growing problems could affect steadiness of soft coal supply, 7/17, p.16
Two pilot plants will produce 'clean' coal, 9/25, p. 19

Fumes:
Hazardous, explosive fumes are detected, 8/28, p.20

Furnaces:
An electrical heater element resists oxidizing, 9/25, p.22
Furnace inspection could save your life, 10/30, p.10
Injecting new life into open hearths, 9/4, p.20
Open hearth steelmaking, 7/24, p.20
Pelletizing in-plant dust and sludge into a blast furnace material, 7/10, p.22
Some blast furnace operators are charging 6 to 7% raw coal, 9/25, p.22
Steel expansions may be harbinger, 9/18, p.27
World growth of L-D steel capacity slows, 10/30, p.50

Furniture:
Foam furniture without interior framing is possible, 8/28, p.19
Furniture industry running at full speed, 7/3, p.57

G

Gallium:
Alcoa scores gallium price break, 8/7, p.23

Gas:
Building boom seen in gas industry, 10/30, p.51
'Coal gasification progress' has been announced by scientists, 10/16, p.22
FPC ruling may kill LNG import plans. 7/17, p.13
Gas cutoffs, despite contract spark fight from industry, 12/18, p.12
Making natural gas from coal, 12/18, p.21
More gas, but higher prices may follow FPC price actions, 8/14, p.24
Natural gas imports at a new high in 1971, 7/31, p.51
Need to cool hot gases effectively? 12/11, p.26
Rockwell consolidates gas meter making, 9/4, p.24
Vast Australian gas reserves could ease U. S. energy crisis, 10/9, p.23
Winter fuel shortages loom; heating oil is a new problem, 12/4, p.16

Gasoline:
Air pollution at refineries caused by escaping gasoline, 7/3, p.24
Gasoline shortage coming? 8/14, p.67
Lead-free sales fizzle; oil firms await emissions answers, 12/11, p.57
Small refiners may see lead rules eased, 11/13, p.17

Gaydos, Joseph M.:
Telephone poll shows what worries workers, 12/11, p.22

Generators:
A superconducting generator rated at 6,700 hp, 11/13, p.20
Expect up to 30% lower cost of generating electricity via pressurized water reactors, 9/25, p.24
Greater generator efficiency, 10/23, p.20
Orders for ac motors, generators picking up, 10/23, p.61

Geothermal Resources:
Tapping the huge geothermal resources in California's Imperial Valley, 10/16, p.24

Germany:
An American 'makes it' in German firm, 8/7, p.50
German auto industry sputtering through 1972, 12/18, p.52
Germany looks East for more trade, 12/11, p.26
'I'll work when I feel like it'—a promise, not a threat, 8/7, p.36

Gifts:
Business gifts have $25 tax ceiling, 10/30, p.10
Sculpture kit a good gift idea, 12/11, p.10

Glass:
Auto glass maker? 7/31, p.57
Detroit adds glass in new uses, 11/20, p.65
Flat glass makers spend to meet booming demand, 11/20, p.54
Instant sunglasses will change from transparent to completely opaque, 8/7, p.22
Mexico's glass exports rise sharply, 9/18, p.78

Goals & Objectives:
Set a date for future action, 8/14, p.9

Goggles:
A new type of goggle instantly cuts off blinding light, 12/18, p.21

Gold:
A gold 'cash register' for production use tells how much it's costing to plate each part, 11/20, p.20

Government-Industry Relations:
Government, industry executives sample each other's worlds, 10/9, p.41
Interchange goes for third year, 9/18, p.77
'Myths' termed brake on productivity gains, 10/30, p.15
Positive partnership with government stressed, 11/6, p.67
'Will managers have a voice in important decisions?' 10/16, p.14
Supercustomer, 11/13, p.5

Government Spending:
'Government spending signals real danger,' 7/24, p.57
Nixon economists insist tax hike not necessary, 7/31, p.11
Will the Fed cover for a spending binge? 8/7, p.59

Graduates:
Engineering grads find better picking, 8/28, p.15
June grads found more jobs, only slightly higher pay, 8/7, p.24
Stanford grads get more pay, job offers, 10/2, p.20

Grass:
Polygrass spreads outside stadiums, 10/23, p.65

Great Britain:
Advance look at common mart tariff changes, 10/23, p.9
British unionists dispute container jurisdiction, 8/7, p.60
Common market leading to commom union? 8/7, p.60
Containers, job losses trouble British docks, 8/7, p.15
Good outweighs bad in EEC's growth, 10/2, p.18
'I'll work when I feel like it'—a promise, not a threat, 8/7, p.36
Machine tools orders still lag in UK, 10/2, p.52
Overseas execs win varying pay hikes, 11/6, p.22
Parliament asked to aid Northern Ireland, 8/21, p.54
'Patchwork' arrangements weave world currency crisis, 7/10, p.54
Sales boom, but British auto firms famish; imports feast, 10/9, p.25
Strikes proliferate in England, 9/4, p.70
UK gains No. 2 spot without trying harder, 12/4, p.102
UK steel price woes concern EEC, 12/18, p.19

Great Lakes:
Federal ice-fighters seek longer Great Lakes season, 12/18, p.23
Iron ore strikes peril supply, 7/24, p.21
New era of big lake boats arrives, 10/2, p.28
Wreck slows lakes shipping; long, late season predicted, 9/11, p.14

Greenhouses:
Roses under vinyl, 7/10, p.18

Grinding:
Getting coolant to adhere to the surface of a high-speed grinding wheel, 11/6, p.22
Grinding 0.038 in. slots in die steel, 8/21, p.17

H

Handicapped Workers:
Putting the rehabilitated back to work, 9/18, p.41

Hands:
Artificial (prosthetic) hands controlled by advanced electronics, 10/2, p.18

Handwriting:
Automatic optical reading of ordinary handwritten material, 7/3, p.24

Hart Bill:
'New' antitrust bill aimed at seven groups, 7/31, p.13

Hartke-Burke Bill:
Do taxes prompt foreign investment? 7/17, p.17
Multinational furor expected to worsen, 9/4, p.21

Health:
Acupuncture is to get a 'going over' by specialists, 8/7, p.22
Almost all states plan job safety efforts, 8/7 p.59
An artificial lung, 11/20, p.22
At the tone, it's time to relax, 12/18, p.10
Can brain tissue repair itself? 10/2, p.18
Cholesterol: a Jekyll-Hyde situation, 8/21, p.10
Dental insurance rises as fringe benefit, 9/25, p.10
Desire is key to fitness program, 10/16, p.10
'Disability days' average 15 per year, 8/7, p.9
Epileptic seizures, 10/2, p.19
Eye surgery for removal of cataracts, 7/10, p.22
Finding a safety valve for tension, 11/13, p.51
Fine particles of quartz in coal, 9/25, p. 25
Here, Joe, try one of mine, 8/28, p.37
Hi, Joe! How're you feeling? 8/7, p.28
Hi, Joe! How's the ol' ticker? 8/14, p.48
Higher income may not mean better health, 12/11, p.10
How to avoid summer skin problems, 7/3, p.10
Joe, when are you going to lose some weight? 8/21, p.45
L-Dopa, a drug used to treat sufferers of Parkinson's disease, 10/23, p.20
'Lungmobiles' could one day be as common as the chest X-ray, 8/21, p.16
Marijuana and hashish can cause structural changes in brain tissue, 10/16, p.24
Monitoring unconscious patients, 7/31, p.19
New evidence that viruses cause cancer, 12/4, p.41
Oversight doesn't nix OSHA citation, 12/11, p.9
Overweight? Try eating more slowly, 11/6, p.10

Physical fitness aids self-confidence, 9/11, p. 10
Simulation of a circulatory system, 7/31, p.19
Skin cancers can be caused by artificial light, 7/3, p.22
Sleeping outdoors? Beware of rabid animals, 10/30, p.10
The risk factors of heart disease, 12/4, p.12
Too fat? This is where it's at, 12/18, p.9
Vitamin E decreases the incidence of tumors in rats, 12/4, p.43
Want to quit? Try this breathing exercise, 8/28, p.10
Watch your heart during hunting season, 11/27, p. 10
Worried by job problem? Relax for a day, 7/3 p.9
X-ray exams can have instant replay, 10/2, p.19

Health Products:
Outlook healthy for medical, drug items, 8/28, p.54

Hearing-aids:
Hearing aids small enough to fit in the ear canal, 7/10, p.26

Heart:
Hi, Joe! How's the ol' ticker? 8/14, p.48
Simulation of a circulatory system, 7/31, p.19
The risk factors of heart disease, 12/4, p. 12
Watch your heart during hunting season, 11/27, p.10

Heaters:
An electrical heater element resists oxidizing, 9/25, p.22

Heating/Cooling:
A heat transfer coating, 8/7, p.23
Getting a laser to heat materials to high temperatures, 11/6, p.22
Heat pipe developments, 12/11, p.24
Hot melt adhesives are getting easier to apply, 9/4, p.22
Nashville's trash will heat, cool 24 buildings, 9/25, p.22
Need to cool hot gases effectively? 12/11, p.26
New competitor in cooling tower market, 12/18, p.20

Help-wanted Index:
Need for executives, engineers is rising, 11/13, p.58

Hergenrather, Edmund R.:
Want to change jobs? 11/13 p.48

Herzberg Articles:
Swapping managerial garbage, 10/2, p.40
The end of obligation, 10/16, p.59
The equality of ignorance, 10/9, p.50

Hiring:
College grad hires up; first rise since 1969, 7/10, p.61
Cost of discriminating in hiring is high, 11/27, p.51
Executive hiring turns conservative, 10/23, p.11
Firms unhappy with 'overkill' of mid-1960s executive hiring, 8/7, p.17
Industry's hiring edges up, but slowly, 11/13, p.57
Who's worth what around here? 11/6, p.28

Hobbies:
Finding a safety valve for tension, 11/13, p.51
Hobby program aids employee relations, 7/10, p.9
Sculpture kit a good gift idea, 12/11, p.10

Hobby Farms:
Tax break on hobby farms, vacation homes cut, 8/28, p.10

Holography:
Holographic inspection of materials, 7/3, p.22
Holography can retrieve detailed measurements from a designer's model, 11/6 p.22

Hone-Forming Process:
Honing-plating process said to cut costs, 7/3, p.21

Hormones:
Hormone-releasing agents have the potential of yielding new birth control methods, 9/11, p.17
Hormones make tomatoes ripen more uniformly, 8/24, p.22

Hot Line:
Business has a Washington 'Hot Line,' 7/31, p.9

Hotels, Motels:
Profits outlook boosts hotel/motel stocks, 7/3, p.10

House Interior Committee:
Aspinall loss buoys environmentalists, 10/9, p. 75

House Judiciary Committee:
New House Judiciary head? 7/3, p.55

House Ways & Means Committee:
Conable may be GOP Ways & Means star, 12/11, p.59
Schneebeli, GOP maverick, steps into Ways & Means post, 12/11, p.14

Housing:
Construction still has plenty of bite, 11/20, p.51
Economics out, politics in as business' chief concern, 7/10, p.53
Housing starts to drop in 1973, 11/27, p.59
Large industrial firms seen dominating housing by 1980, 7/31, p.13
Low-cost plug-in kitchen introduced, 11/6, p.19
Mobile homes grow out of shoebox image; sales soar, 7/3, p.58
Modular housing industry looks at what went wrong, 12/4, p.94
Second homes pad construction trends, 11/27, p.53
Uncertainties mar investment outlook, 8/21, p.58
Want to be a wiser home buyer? 9/4, p.10

Human Resources Accounting:
Who's worth what around here? 11/6, p.28

Hunting:
Sleeping outdoors? Beware of rabid animals, 10/30, p.10
Watch your heart during hunting season, 11/27, p.10

Hurricanes:
Agnes cleanup poses special problems to plant managers, 7/17, p.19
Agnes-soaked papers salvaged by freezing, 8/7, p.24
Lewistown, after flood washed out jobs, seeks new employers, 10/2, p.20
Mobile home builders meet 'Agnes' challenge, 9/11, p.68

Hydraulic Systems:
Hydraulic valve lifters often need some engine disassembly before they can be removed, 11/27, p.18

Hydrides:
How metals will convert to hydries, 10/16, p.24

Hydrogel:
Agriproduct boosts crop growth, yield, 10/16, p.26

Hydrogen:
Magnetism replaces pressure in the reduction of iron by hydrogen, 12/18, p.22

I

Ice:
Federal ice-fighters seek longer Great Lakes season, 12/18, p.23

Icebreaking:
An experimental icebreaker, 7/31, p.19

Ideas:
Prove what you say is true, 7/17, p.28
To garner new ideas, listen better, 10/2, p.10

Identification:
Etched identifications reduce equipment theft, 11/20, p.9

Ignition:
Ignition detection can be tricky and sometimes dangerous, 12/18, p.22

Immigrants:
Canadian leaders considering immigration barriers, 8/14, p.68

Imports: See Exports, Imports

Incramute:
Incramute has the ability to damp and reduce noise and vibration, 10/30, p.21

Index of Consumer Sentiment:
Consumers' attitudes favorable: sales jump, 7/31, p.50

Indexing:
Need a low cost memory device for indexing of equipment? 8/14, p.20

India:
Earnings ratios high for U. S. firms in India, 10/9, p.76
Grants spur India's growth, 11/20, p.60
India finally attains trade surplus, 9/18, p.78
India's reserves show strong increase, 7/24, p.60
Planned canal would link India's rivers, 10/30, p.52

Indonesia:
Indonesia continues to attract investors, 8/14, p.68

Industrial Activity:
Firms handle rising business without overtime, hiring hikes, 7/24, p.54
Industrial activity dips after show of strength, 8/21, p.52
Industrial pulse slows but faster than 1971's, 9/18, p.72
Industry men expect strong second half, 7/17, p.48
Pulse of industrial activity quickens, 7/17, p.54
Rise follows slowing of industrial activity, 10/23, p.65

Industrial Development:
Andean countries allocate metalworking industries, 11/13, p.68
Puerto Rico prepares for new economic thrust, 10/30, p.34

Industrial Goods:
Most markets for industrial goods healthy—but not all, 9/25, p.54

Industrial Park:
Industrial park security system aims at theft, 10/9, p.9

Industrial Production:
Industry's hiring edges up, but slowly, 11/13, p.57
Italy's industrial production to turn upward, 12/18, p.52
Statistical analysis, 7/31, p.51
USSR reports 6.7% rise in output, 11/13, p.25

Industrialized Building Exposition & Congress:
Industrialized builders face shakeout, but not disaster, 11/13, p.16

Industry:
Industry lost some key votes out West, 11/20, p.19
Industry recruiting goes well, new town developers discover, 11/20, p.25
Industry speculates on federal involvement in land-use policy, 11/27, p.13
Keeping your friends in town, 12/18, p.34

Industry vs Education:
Engineers working on school-industry bridge, 7/10, p.18
Industry, schools must work together, 7/10, p.9

Industry vs Social & Domestic:
Get involved in your community, 7/31, p.9
Get more involved in industry problems, says new ASM chief, 10/9, p.14
Lead change, don't be defensive, oilmen told, 11/6, p.26
Let's build a partnership of purpose, 11/27, p.S-1

Inflation: Also See Business Economy
EEC seeking solutions to inflation, 10/23, p.68
EEC unemployment and prices still rise, 10/16, p.76
Four more years of what? 11/27, p.47
Industry productivity outgains government's, 7/24, p.24
Inflation helps boost whitecollar unions, 10/2, p.50
Inflation is dying: long live inflation? 10/9, p.59
'Must cure payments deficit to avert disastrous inflation,' 8/21, p.50
Not good enough!! 7/31, p.5
Overseas execs win varying pay hikes, 11/6, p.22
Pay panelist for curbs at least through '73, 10/23, p.28
Spain moves to curb inflation, 11/6, p.68
The '73 economy looks good, but the problems linger on, 8/28, p.12
You can't win for losing, 10/30, p.47

Information Storage & Retrieval:
Unsnarling data jam may be cleanup key, says EPA chief, 10/2, p.16

Insecticides:
DDT needs more study before conclusions can be drawn, 7/3, p.22
Oral insecticides for cattle, 7/24, p.21
Sugar as an insecticide, 7/3, p.24

Insects:
Insect control by the use of pheromones, 9/11, p.18

Inspection & Testing:
An analyzer that enables chemists to determine quality of rubber materials, 10/2, p.19
GM 'road tests' engines in a laboratory, 7/3, p.61
Holographic inspection of materials, 7/3, p.22
Liquid crystals continue to get attention from nondestructive testing people, 11/27, p.18
Optical analysis of 'ringing' impulses produced by striking metal structures, 11/6, p.22
Testing easy-open can ends for leaks, 10/23, p.22

Instruments & Controls:
Checking carbon and sulfur content of steel, iron, 7/3, p.24
Good export potential in instruments, 9/18, p.78

The momentum anemometer, 9/18, p.26

Insulation:
Cryogenic insulation of the type used on rockets, 12/18, p.21
Look for more underground cable systems, 7/17, p.24
Noise solution can cause heat problem, 12/4, p.11

Insurance:
Add interest to loan total? Be wary, 9/11, p.10
Assigning group insurance beats estate tax, 9/18, p.12
Dental insurance rises as fringe benefit, 9/25, p.10
Don't assume safety law means insurance break, 12/18, p.9
Inventory insurance data must be accurate, 7/31, p.9
New bumpers cut auto insurance costs, 7/24, p.10
Services sold overseas now insurable, 10/9, p.76
Worried about Communists' failure to pay? 12/11, p.60

Integrated Circuits:
Line widths on integrated circuits, 7/3, p.22

Interchange Program:
Interchange goes for third year, 9/18, p.77

Interest:
Add interest to loan total? Be wary, 9/11, p.10
All retail finance charges now deductible, 8/7, p.10
Cost of retail credit on way down, 7/31, p.10
Debt reporting rules changed, 10/2, p.51
More borrowers, less money, credit to tighten, but crunch unlikely, 11/6, p.55
Trend to 'simple interest' aids borrowers, 10/30, p.10

Internal Revenue Code:
Tax reform . . . will business be cast as the villain? 10/23, p.42

Internal Revenue Service:
All retail finance charges now deductible, 8/7, p.10
If you rent, IRS booklet may be helpful, 11/27, p.10
IRS is scrutinizing corporate tax reports, 10/16, p.75
IRS promises easier 1040—again, 12/11, p.10
IRS to run part of Phase 2 in Texas, 11/6, p.67
Study says foreign subsidiary taxes cost U. S. firms millions, 7/17, p.18
You may need proof of deductible contributions, 11/27, p.10

International Development Assn.:
Grants spur India's growth, 11/20, p.60

International Executive Service Corps:
Recycling spreads to another resource: executives, 8/7, p.44

International Machine Tool Show:
Foreign exhibitors to dim 'upsurge glow,' 8/21, p.38
Russian 'buys' at show just a prelude? 9/18, p.20
Successes may breed more foreign entries at '74 IMTS, 9/18, p.18

International Monetary Fund:
Monetary talks also study trade rules, 9/25, p.15
Romanian move a key to closer East-West ties? 11/27, p.60

International Pollution Engineering Exposition & Congress:
Pollution engineering show—getting an industry together, 12/11, p.19

International Union of Electrical, Radio & Machine Workers:
UE, IUE say Nixon defeat is vital for '73 labor talks, 9/18, p.17

Inventions:
Patent chief rejects compulsory licensing, 8/28, p.51

Inventories:
Inventories rising modestly, but they trail sales growth, 8/7, p.54
Inventory insurance data must be accurate, 7/31, p.9
Less fat, more weight on inventories, 10/16, p.63
Manufacturers expect slight inventory gain, 7/24, p.22
Recession-bred controls, costs may restrain inventory buildup, 7/17, p.12
Standard parts 'supermarket' streamlines inventory, 7/31, p.38
Standardized equipment can cut parts inventory, 12/18, p.9
Steel inventory, order trends fuel optimism, 8/21, p.51
ZIP system helps cut inventory costs 30%, 12/18, p.14

Investment Corner:
Good year ahead for bank stocks, 11/20, p.42
Hi-yo, Silver—away? 8/7, p.33
How to pick a mutual fund, 7/3, p.32
Leisure time stocks recommended for growth, 10/16, p.48
Seven paper stocks due to rebound, 9/11, p.39
The outlook for 1973, 12/11, p.46

Investment Tax Credit:
Firms like investment credit, but few would fight to keep it, 8/14, p.56
Isn't it a shame? 9/11, p.5
More investment incentives for business? 12/4, p.101

Investments: Also See Foreign Investments:
Air pollution control stocks? Price is right, 10/9, p.10
Analyst sees good buys in steel stocks, 11/20, p.10
Average fund holdings can provide tax basis, 10/30, p.10
Beware of undivided interest land deals, 10/2, p.10
Bond conversion gain might be taxable, 7/29, p. 10
Buy realty trusts for income, not gains, 8/7, p.10
Chemical stocks? Look for special angles, 7/31, p.10
College money plan might mix fund, insurance, 8/7, p.10
Crackdown hits shelters that defer taxes, 10/9, p.10
'Good values' waiting in tire stocks, 9/11, p.10
Good year ahead for bank stocks, 11/20, p.42
Hi-yo, Silver—away? 8/7, p.33
How to pick a mutual fund, 7/3, p.32
Investors leap to bonds for stability, 10/23, p.10
Leisure time stocks recommended for growth, 10/16, p.48
Many 'calls' expire worthless, 7/24, p.10
More investment incentives for business? 12/4, p.101
Mutual funds: unpopular but promising, 10/16, p.10
Only bears flying airline stocks, 9/25, p.10
Peace would spur '73 stock market, 10/2, p.10
Profits outlook boosts hotel/motel stocks, 7/3, p.10
Savings bonds versus savings accounts, 8/28, p.10
Seven paper stocks due to rebound, 9/11, p.39
Some metals stocks hold long-term potential, 8/28, p.10
Some preferred stocks can't be recalled, 8/21, p.10
Spotlight is turning to cyclical stocks, 9/4, p.10
Still wise to avoid 'hot' new stocks,' 8/14, p.10
Time to consider investment alternatives, 7/10, p.10
Time to invest in textile stocks? 7/17, p.10
Time to watch for stock split candidates, 9/18, p.12
Treasury bonds can complement savings program, 9/25, p.10
Unusual route to employee ownership gains some ground, 9/4, p.27

Ireland:
Ireland courting high technology investors, 10/16, p.76
Japan's automakers ease into EEC, 8/7, p.60
Parliament asked to aid Northern Ireland, 8/21, p.54

Iron:
Magnetism replaces pressure in the reduction of iron by hydrogen, 12/18, p.22

Iron Ore:
Iron ore strikes peril supply, 7/24, p.21

Israel:
Economy, inflation soar in Israel, 8/21, p.54
Israel's metals industries plot future, 10/23, p.68
Israeli metal industry sees $400 million in exports by 1981, 11/20, p.24

Italy:
Italy finally to adopt value-added tax, 12/4, p.102
Italy's industrial production to turn upward, 12/18, p.52
Russia, Italy best potential computer markets, 8/28, p.52

J

Japan:
A small industry challenges Japanese competitors, 12/18, p.41
Australia strives to minimize economic ties with Japanese, 11/6, p.20
Cracking the Japanese market, 8/21, p.30
Ecology to thwart Japan's chemical industry? 11/6, p.68
Foreign-financed firms outpace Japan's domestics, 9/11, p.76
Freer import policy due soon, Japan tells development chiefs, 10/23, p.13
Fuji Bank recommends new economic diplomacy, 7/31, p.52
Japan's automakers ease into EEC, 8/7, p.60
Japan's coal purchases cool down, 9/18, p.78
Japan further reduces import barriers, 8/28, p.52
Japan lukewarm about investment in EEC, 12/11, p.60
Japan's trade concessions described as 'window dressing,' 12/4, p.20
Japanese firm tops world steelmakers, 7/10, p.64
Japanese investments in U. S. relatively small, 10/2, p.52
Japanese study Mexico's industrial needs, 10/2, p.52
Japanese to export many yen during 1970s, 12/18, p. 52
Japanese trade pact cheers lumbermen, 9/18, p. 77
Japanese, U. S. firms unite to make and market worldwide, 10/2, p.15
Nissan pondering U. S. assembly, 7/3, p.56
Papua-New Guinea being wooed by Japan, 11/6, p.68
Pollution control spending soars in Japan, 10/30, p.52
Russia trade accord near; Japan talks termed 'useful,' 9/25, p.14
Streamlined payroll catching on in Japan, 11/13, p. 68
Study team to explore Japanese productivity, 9/18, p.23
Taiwan loosening economic ties with Japan, 10/23, p.68
Trade mission hikes Canada's exports to Japan, 7/3, p.56
U. S. and Japan share trade rift blame, must share solution, 10/30, p.22
U. S.-Japan trade pact seen as 'first step' in cutting deficit, 9/11, p.13
Will China-Japan rapport hurt Taiwan? 10/9, p.16

Job Enrichment:
Assembly-to-inspection shifts can be enriching, 12/4, p.11
Involvement rekindles will to work, 9/4, p.8-10
Self-enrichment, 9/18, p.5

Job Interchange:
Government, industry executives sample each other's worlds, 10/9, p.41

Job Opportunities in the Business Sector:
JOBS program enters fifth year, 7/17, p.51

Job Rotation:
Job rotation: tool for meeting noise standards, 11/13, p.9

Jobs:
A Washington exodus? 8/21, p.53
Almost all states plan job safety efforts, 8/7, p.59
Antidote for stress: liking your job, 9/25, p.10
Changing jobs can pay off—if you're tops, 7/24, p.9
College grad hires up; first rise since 1969, 7/10, p.61
Costly worker retraining plans sometimes flop, Congress finds, 12/11, p.12
Engineering grads find better picking, 8/28, p. 15
Executives 'white hot' in heated job market, 7/3, p. 51
Group aims at 25,000 jobs in the ghetto, 10/9, p.75
Job openings up for technical workers, 8/14, p.64
JOBS program: good, but it could be better, 8/14, p.67
June grads found more jobs, only slightly higher pay, 8/7, p.24
Lean days ending? Executives jump back into job mart, 7/17, p.11
Lewistown, after flood washed out jobs, seeks new employers, 10/2, p.20
Manager job openings spurt, exceed lookers, 9/4, p.66
More engineers are finding jobs, 8/14, p.67
More managers put family first, job second, 10/30, p.9
More public jobs urged for the poor, 12/11, p.13
Need for executives, engineers is rising, 11/13, p.58
Permanent temporaries versus boredom, 7/17, p.9
Picking best-qualified isn't always best, 12/4, p.11
Security, wages still top youth job goals, 8/7, p.25
Seeking a job? Write your own resume, 11/13, p.10
Selling yourself for that bigger job, 9/11, p.56
Some skilled help is getting harder to find, 8/28, p.11
Want productivity? Let workers improve jobs, 12/4, p.36
Want to change jobs? 11/13, p.48
Welfare job training fails to excite industry, 7/10, p.56
Worried by job problem? Relax for a day, 7/3, p.9
Your grass may already be greener, 9/18, p.12
Zero draft may result in need for better civilian job training, 11/13, p.15

Jobs for Massachusetts Inc.:
Keeping your friends in town, 12/18, p.34

Joining:
Ultrasonic joining of synthetic fabrics, 7/17, p.23

Joint Ownership:
Joint ownership may not be best estate plan, 11/13, p.10

Joints:
Joints in soft wood, 10/23, p.20

Justice Dept.:
Justice Dept. seeks dismissal of steel suit, 9/11, p.13

K

Keys:
Are you opening the door for burglars? 8/28, p.10

Kitchens:
'Cool' range uses less power, 12/11, p.10
Low-cost plug-in kitchen introduced, 11/6, p.19

Knits:
Canada moves to stem import of knits, 10/23, p.68
Knit producers ready for serious business, 11/20, p.55

Korea, South:
Export of Korean castings creeping upward, 11/27, p.60
Korea to compete in supertankers, 8/21, p.54
South Korea building industrial potential, 7/24, p.60

Kotnik, Robert L.:
Who are the leaders? 7/17, p.40

Kraft Pulping:
Modifications to conventional kraft pulping, 8/28, p.19

L

L-Dopa:
L-Dopa, a drug used to treat sufferers of Parkinson's disease, 10/23, p.20

Labels, Labeling:
Manager on the spot . . . textile exec optimistic despite Phase 2, growing regulation, 11/13, p.23
Peterson urging voluntary labeling compliance, 7/3, p.55

Labor:
Blacks unite for clout in labor, 11/6, p.67
First distant rumbles from 1973 labor talks, 7/3, p.13
Hodgson, AFL-CIO list goals for '73, 10/2, p.13
How to influence workers' political view, 8/21, p.9
Labor's COPE working hard to beat Nixon, 7/10, p.14
Labor Day messages stress economy, jobs, 9/11, p.14
Labor in '73: tough, but less hostile, 10/16, p.36
Labor's newest tool: slogans, not strikes, 12/18, p.24
Labor peace panel to be named—after Nov. 7, 10/23, p.67
Labor representative on corporate board? 11/27, p.9
Labor still has a big stake in the election, 10/30, p.40
Plants set labor rates with area survey, 11/27, p.44
Productivity bargaining to have minor role, 11/13, p.67
Selling the nominee . . . Democrats may find labor lukewarm, 7/10, p.13
Unit labor costs now rising faster abroad, 7/17, p.51
UE, IUE say Nixon defeat is vital for '73 labor talks, 9/18, p.17
USWA, industry to talk over productivity, 11/27, p.19

Labor Dept.:
Hodgson, AFL-CIO list goals for '73, 10/2, p.13
Labor Dept. officials head back to school, 7/24, p.59

Land Use & Development:
Alaska land decision due next month, 8/14, p.67
Industry speculates on federal involvement in land-use policy, 11/27, p.13
U. S. lands are important energy resources, 7/10, p.63

Language:
A process control language, 11/20, p.22
Directory lists international handling symbols, 11/27, p.9

Lasers:
A compact laser for cutting, welding, and drilling, 10/16, p.24
A high-speed laser scriber scores semiconductor components ten times faster, 7/31, p.20
A laser beam guides blind people, 8/7, p.22
A laser control for machine tools, 7/17, p.24
An experimental laser camera can pick out footsteps, 9/25, p.22
Automatic optical reading of ordinary handwritten material, 7/3, p.24
Fast microfilm transmission, 10/23, p.22
Getting a laser to heat materials to high temperatures, 11/6, p.22
High density memories that depend on laser light, 10/30, p.21
Holography can retrieve detailed measurements from a designer's model, 11/6, p.22
Improved TV projectors and optical computer memories, 11/6, p.21
'Laser market to quadruple by 1980,' 11/20, p.58
Lasers that weld autos, 10/23, p.20
Rust thickness is determined by a punch-and-probe laser system, 10/9, p.16
The light intensity of a laser beam, 11/27, p.19
Will lasers weld your next car? 10/30, p.57

Latin America:
Latin American economies maintain strength, 9/25, p.60
Latin American—U. S. trade in trouble? 11/27, p.50

Lawsuits:
Sierra Club seeking court action speedup, 7/24, p.14
Some firms are fighting OSHA's lack of appeal, 10/16, p.13
Supreme Court gets down to business, 10/23, p.16
U. S. Steel agrees to more Clairton cleanup, 10/30, p.17

Lead:
Lead-free sales fizzle; oil firms await emissions answers, 12/11, p.57
Lightweight roofing made of lead composite materials, 11/13, p.20
Plastic - lead - plastic sandwiches, 11/13, p.24
Small refiners may see lead rules eased, 11/13, p.17

Leadership:
Who are the leaders? 7/17, p.40

Leisure Time:
Finding a safety valve for tension, 11/13, p.51
Leisure time stocks recommended for growth, 10/16, p.48

Letters:
Customers' letters earn awards for workers, 12/18, p.9

Letters From Readers:
Memos from managers, 7/3, p.62; 7/10, p.70; 7/17, p.58; 7/24, p.66; 7/31, p.58; 8/7, p.66; 8/14, p.74; 8/21, p.60; 8/28, p.58; 9/4, p.76; 9/11, p.82; 9/18, p.86; 9/25, p.66; 10/2, p.58; 10/9, p.82; 10/16, p.82; 10/23, p.74; 11/6, p.74; 10/30, p.58; 11/13, p.74; 11/20, p.66; 11/27, p.66; 12/4, p.108; 12/11, p.66; 12/18, p.58

Levels:
A magnetic level designed for 'pros' or handymen, 8/14, p.20

Levitation:
Levitation transportation, 12/11, p.26

Lewistown, Pa.:
Lewistown, after flood washed out jobs, seeks new employers, 10/2, p.20

Licensing:
Patent chief rejects compulsory licensing, 8/28, p.51

Light:
Latest fluorescent lamp design, 7/31, p.20
Skin cancers can be caused by artificial light, 7/3, p.22
The light intensity of a laser beam, 11/27, p.19

Lighting:
HDPE plastic invades lighting fixtures field, 9/18, p.72

Line Managers:
Line managers' safety role expanding, 7/10, p.46

Liquefied Natural Gas:
Building boom seen in gas industry, 10/30, p.51
FPC ruling may kill LNG import plans, 7/17, p.13
LNG tankers luring aluminum to the seas, 10/9, p.67
More help for LNG shipbuilders, 10/23, p.67
Oil storage tanks can be converted into storage units for liquefied natural gas or propane, 11/13, p.20
Subsidies launch shipyards into rich LNG tanker market, 10/9, p.20

Liquefied Petroleum Gas:
Smoky diesels could be a thing of the past, 10/9, p.16

Liquid:
A liquid level measuring device, 12/4, p.45
Measurement of liquid flow without protruding into the flow, 9/4, p.22

Liquid Crystals: See Crystals

Liquid Metal Fast Breeder Reactor:
LMFBR: the young miracle worker, 12/11, p.30

Listening:
To garner new ideas, listen better, 10/2, p.10

Litter:
Litter law cleaning up Canadian province, 9/4, p.70

Loans & Mortgages:
Add interest to loan total? Be wary, 9/11, p.10
Backing business loan gives better tax break, 11/13, p.10
Cut-rate environmental loans available, 11/20, p.9
More colleges offering loan programs, 9/4, p.10
Secured loan can save you interest, 8/21, p.10
Shop for that auto loan, 10/23, p.10
Trend to 'simple interest' aids borrowers, 10/30, p.10
U. S. loan to aid Pakistan's development, 10/30, p.52

Los Angeles:
Climate, amusements lure Los Angeles visitors, 9/4, p.10
Smog is leaving Los Angeles? Yes, but it may be back, 8/21, p.22

Loyalty:
Goodby, Mr. Loyalty, 11/27, p.5

Lubrication:
Lubricants made of polyphenyl ethers, 11/13, p.20
Oil creeping or leaking in watches, clocks, miniature bearings, 11/13, p.20
The scuffing resistance of sliding steel surfaces, 11/20, p.20

Luggage:
Some tips for air travelers, 11/6, p.10

Lumber:
Criticism of logging methods spurs reaction by timbermen, 9/18, p.24
Japanese trade pact cheers lumbermen, 9/18, p.77

Lunch:
Light lunch wins heavy applause, 8/21, p.9

Lungmobiles:
'Lungmobiles' could one day be as common as the chest X-ray, 8/21, p.16

Lutz, Robert A.:
An American 'makes it' in German firm, 8/7, p.50

M

Macaroni:
What's in macaroni? FDA plans new rule, 11/6, p.13

Machine Tools:
A laser control for machine tools, 7/17, p.24
Air pallets cut machine tool downtime, 7/31, p.22
Auto glass maker? 7/31, p.57
Computerized machine control, 8/28, p.19
Foreign exhibitors to dim 'upsurge glow,' 8/21, p.38
Forming tools drag July orders down, 8/28, p.17
Machine tool builders believe Wankel is starting a revolution, 9/4, p.16
Machine Tool Show boasts many 'firsts,' 9/11, p.11
Machine tools continue strong, 7/31, p.17
Machine tools orders still lag in UK, 10/2, p.52
Machine tools post another good month, 9/25, p.53
Machine tools seen as slow growth industry, 10/30, p.53
Metalworking machinery firms begin climb out of recession, 9/4, p.60
NMTBA to seek sales in Eastern Europe, 7/31, p.17
New and used tools post monthly gains, 12/4, p.90
1974 Machine Tool Show nears sellout, 10/16, p.22
Participants find show business 'rewarding,' 12/11, p.54
Russian 'buys' at show just a prelude? 9/18, p.20
Successes may breed more foreign entries at '74 IMTS, 9/18, p.18
Swedish toolbuilders to push sales in U. S., 8/21, p.18
Third quarter growth for machine tools, 10/30, p.13
Toolmaker expands capacity in plastics, 12/18, p.22
Trade deficit mounts, but reversal is seen, 11/6, p.19
Used tool sales enjoy healthy growth pattern, 9/4, p.62
Will Wankels power a machine tool boom? 8/14, p.73
Worried about Communists' failure to pay? 12/11, p.60

Machinery:
Bender speeds setup, production, 8/28, p.18
Equipment may ease miners' ecology woes, 10/2, p.17

Machining:
A trainable adaptive control concept for machining, 12/4, p.45
Better electrolytes for electrochemical machining, 10/30, p.21
Getting coolant to adhere to the surface of a high-speed grinding wheel, 11/6, p.22
Machining production too low? 9/18, p.26
Machining slideways more accurate with an abrasive stone, 11/20, p.22
Tubing cutters normally leave a ridge or lip around the edges they have cut, 8/7, p.22

Machinists:
Some skilled help is getting harder to find, 8/28, p.11

Magnesium:
Fluxless magnesium melting, 7/10, p.26
Is removing magnesium from aluminum scrap your problem? 8/28, p.20

Magnetic Bubbles:
A simple way of detecting magnetic bubbles, 10/9, p.16

Magnets:
A magnetic level designed for 'pros' or handymen, 8/14, p.20
Large superconducting magnets, 11/27, p.18
Levitation transportation, 12/11, p.26
Magnetic separation boosts consumption of scrap cans, 9/11, p.23
Magnetism replaces pressure in the reduction of iron by hydrogen, 12/18, p.22
New materials for electronics, 7/17, p.24
Tagging oil spills with invisible magnetic labels, 11/20, p.20

Management:
Corporate 'doctor' attacks ills of poor management, 11/6, p.14
For best results, set simple objectives, 8/14, p.9
I. W. Abel: Searching for ways to work with management, 11/13, p.13
Involvement rekindles will to work, 9/4, p. S-10
Swapping managerial garbage, 10/2, p.40
Westinghouse execs to yield, let 'youth' tackle problems, 7/17, p.13
Your attitude is critical to worker motivation, 11/20, p.22

Management Development:
Are your 'wheels' spinning? 7/24, p.45
Pick them young—then push, 9/25, p.37

Management Planning:
Don't play 'Russian roulette' with corporate dollars, 10/9, p.53

Management Structure:
Organizing for fast change, 12/11, p.41

Management Traits:
What's your 'value analysis' as manager? 10/9, p.9

Managers:
'Advertisement' can help to sell yourself upward, 12/11, p.9
Are your 'wheels' spinning? 7/24, p.45
Changing jobs can pay off—if you're tops, 7/24, p.9
Dirty hands communicate better, 11/13, p.9
Enthusiasm is vital to success, 8/21, p.9
Firms unhappy with 'overkill' of mid-1960s executive hiring, 8/7, p.17
Hi, Joe! How're you feeling? 8/7, p.28
Insist on knowing why, as well as what, 7/17, p.9
Managers challenged . . . find better ways to utilize people, 11/6, p.11
More managers put family first, job second, 10/30, p.9
Pick them young—then push, 9/25, p.37
Prove what you say is true, 7/17, p.28
Selling yourself for that bigger job, 9/11, p.56
The care and feeding of underdeveloped managers, 12/11, p.37
Today's manager frequents 'the floor,' 9/4, p.9
'We expect our managers to tell the business story,' 11/20, p.43
What's your 'value analysis' as manager? 10/9, p.9
'Will managers have a voice in important decisions?' 10/16, p.14
Your grass may already be greener, 9/18, p.12

Manganese:
Impact strength of cast manganese steel can be increased, 7/31, p.19

Manpower:
Industry sees more need for workers, 7/24, p.56

Manpower Development & Training Act:
Costly worker retraining plans sometimes flop, Congress finds, 12/11, p.12

Manpower Market:
Manpower demand index ahead of '71, 12/4, p.88

Manpower Policy Task Force:
More public jobs urged for the poor, 12/11, p.13

Manufacturing:
Manufacturing's share of the workforce dips, 9/4, p.69
Manufacturing value added hits peak, 9/11, p.75

Manufacturing Production:
Factories hum, but pitch to increase, 9/4, p.57
Lower output reduces productivity gains, 11/13, p.67

Manufacturing Shipments:
Manufacturing takes slight shipment drop, 7/31, p.47
Shipments exceed year ago by 10%, 9/25, p.56
Shipments jump 9% from year ago, 8/28, p.54
Shipments maintain 13% edge over '71, 11/6, p.66
Shipments soaring over year-ago pace, 11/27, p.50

Marinas:
Marina project could build extra income, 10/9, p.10

Marketing: Also See Sales & Marketing
Despite problems . . . industry's optimistic about '73, 10/16, p.11
Firms wrestle with sales productivity, 11/6, p.27

Marriage:
Marriage is aid to advancement, 8/7, p.9
Tax services in marital disputes deductible, 12/18, p.10

Mass Transit:
Congress considers mass transit money, 8/7, p.15
With mass transit bill halted, why is the industry optimistic? 11/6, p.13

Material Handling:
Air pallets cut machine tool downtime, 7/31, p.22
Directory lists international handling symbols, 11/27, p.9
Giant forging press starts to pay its way, 10/30, p.16
Movin' the goods . . . more tradeoffs mean better distribution, 10/30, p.26
Portable conveyor versus handling costs, 8/21, p.9

Materials:
Fight waste with bombsight approach, 8/7, p.9

McGovern, George:
McGovern's economic policies could lure 'idealistic' execs, 8/21, p.14
McGovern's economics stirs debate among economists too, 7/24, p.13
McGovern reveals Phase 2, 9/4, p.13

Measuring:
A liquid level measuring device, 12/4, p.45
A new surface finish measurement device called a topografiner, 12/11, p.26
Automatic measuring of yarn being fed into knitting machines, 12/18, p.21
Measurement of liquid flow without protruding into the flow, 9/4, p.22
Microminiature measurements can be made at high speed, 9/4, p.22
More accurate measurement of brightness, 11/27, p.19
Trouble in measuring the thicker cladding coatings of nickel, 12/11, p.24

Mechanics:
With industry support . . . auto mechanics try self-regulation, 8/21, p.59

Medals:
Medal marks bicentennial of revolution, 7/17, p.10

Medical Equipment:
An artificial lung, 11/20, p.22
Microsurgical tv, 10/9, p.16
Monitoring unconscious patients, 7/31, p.19
Outlook healthy for medical, drug items, 8/28, p.54
Simulation of a circulatory system, 7/31, p.19

Meetings:
Debates perk up dull sessions, 11/27, p.9
Making the weekly meeting more productive, 12/18, p.44
Meeting plans need professional touch, 9/11, p.9
Meetings to show how to bid on shuttle, 11/20, p.20
USWA, industry to talk over productivity, 11/27, p.19
Where boss sits affects a meeting, 7/10, p.9

Memory:
Is there loss of memory with age? 12/4, p.43
Need a low cost memory device for indexing of equipment? 8/14, p.20

Mercury:
One man's view . . . political 'solutions' attacked, 9/25, p.26

Mergers & Acquisitions:
Can space technology work in the factory? 11/13, p.20
Communications unions talk merger, 11/6, p.67
European aerospace mergers—can they get off the ground? 7/31, p.40
Merger activity revives—with higher standards than before, 7/31, p.48
Merger pace continues decline, 8/28, p.51

Metal Finishing:
Extrude-hone is a novel technique for cleaning and deburring metal parts, 10/30, p.20

Metal Plating:
Metal plating of timber, concrete and other building materials, 12/18, p.21

Metal Processing:
Molten metal can be pumped electromagnetically, 7/31, p.20

Metals:
A metal detector made in South Africa, 9/18, p.28
How metals will convert to hydrides, 10/16, p.24
Metal buildings enjoy rapid growth in sales, 9/11, p.62
Oil sampling serves as a diagnostic procedure for engines and transmissions, 11/6, p.21
Some metals stocks hold long-term potential, 8/28, p.10

Metals Industry:
Israel's metals industries plot future, 10/23, p.68

Metalworking:
Andean countries allocate metalworking industries, 11/13, p.68
Israeli metal industry sees $400 million in exports by 1981, 11/20, p.24
Metalworking machinery firms begin climb out of recession, 9/4, p.60

Meters:
Rockwell consolidates gas meter making, 9/4, p.24

Methane:
Bacteria are clearing methane gas from a Russian coal mine, 7/24, p.21
The largest source of carbon monoxide is the oxidation of methane, 8/28, p.20

Metric System:
Metric education center funded, 10/9, p.75
New legislation may end metric debate, 12/11, p.25

Metropolitan Recycling Center:
Recycling . . . and then some, 11/6, p.52

Mexico:
Amtrak's international service may add Mexico, 11/13, p.10
Competitor emerging south of the border, 10/2, p.31
Japanese study Mexico's industrial needs, 10/2, p.52
Mexico's glass exports rise sharply, 9/18, p.78
Mexico to regulate technology transfers, 11/13, p.22
Small aircraft industry landing in Mexico? 11/6, p.68

Microfilm:
Fast microfilm transmission, 10/23, p.22
Microfilm, by the year 2000, 9/25, p.24

Microparticles:
Removing microparticles from soil samples, 9/25, p.24

Microscopes:
Microsurgical tv, 10/9, p.16
Microworld opened to third dimension, 7/17, p.38

Microwaves:
Microwave ovens don't produce an appetizing brown color, 10/30, p.20

Military:
UN says military funds could be spent better, 7/17, p.52
Zero draft may result in need for better civilian job training, 11/13, p.15

Mills:
Steel expansions may be harbinger, 9/18, p.27

Minerals:
Hidden mineral resources can be uncovered, 10/16, p.24
Ocean mining seen feasible by 1980, 12/4, p.31
U. S. mineral imports to soar during decade, 9/11, p.70

Mines, Mining:
Bacteria are clearing methane gas from a Russian coal mine, 7/24, p.21
Equipment may ease miners' ecology woes, 10/2, p.17
Mine drainage pollution can be traced to its source, 7/10, p.22
Ocean mining seen feasible by 1980, 12/4, p.31
Uranium abundance causes mining halt, 8/14, p.25

Minicomputers:
Minicomputers lead in '72 installations, 12/11, p.57
Minicomputers push NC to new potential, 9/4, p.50
Now a minicomputer lures traveling execs, 7/10, p.22

Minimills:
Montreal minimill eyes Canadian sales, 11/27, p.21

Minimum Wages: See Salaries & Wages

Minority Groups:
Equality for everybody—or else . . . , 11/13, p.32
Minority quotas on way out? 9/25, p.59
Program promotes minority business, 12/11, p.47

Mobile Homes:
Mobile home builders meet 'Agnes' challenge, 9/11, p.68
Mobile homes grow out of shoebox image; sales soar, 7/3, p.58
Regulations may slow mobile home sales, 10/9, p.15
Strong gains marking mobile home volume, 7/24, p.61

Modic, Stanley J.:
Modic is named IW's editor, 10/9, p.13

Modular Construction:
Industrialized builders face shakeout, but not disaster, 11/13, p.16
Modular housing industry looks at what went wrong, 12/4, p.94

Molecular Sieves:
Molecular sieves remove deleterious effluents in several industries, 10/23, p.20

Molloy, John T.:
You are what you wear, 9/25, p.42

Money:
College money plan might mix fund, insurance, 8/7, p.10
'Economy needs more leeway to deal with financial crises,' 9/4, p.68
How to discourage worker embezzlement, 8/14, p.9
More borrowers, less money, credit to tighten, but crunch unlikely, 11/6, p.55

Money-saving Tips:
Good buys in December, 11/27, p.10
Secured loan can save you interest, 8/21, p.10
Trivia cleanup yields big payoff, 8/28, p.9

Monitors:
Glove box computer monitors safety systems, 8/7, p.65
Monitoring increases textile productivity, 10/30, p.21
Monitoring unconscious patients, 7/31, p.19
Power factor correction capacitors save money, 8/14, p.22
Sulfur dioxide monitors have been set up throughout the Netherlands, 7/24, p.20
Vibration giving you the shakes? 11/27, p.18

Montreal:
Montreal minimill eyes Canadian sales, 11/27, p.21

Morrison, James H.:
Making better decisions, 11/20, p.45

Motels: See Hotels, Motels

Motion:
A stop-motion video tape system, 10/30, p.21

Motivation:
The care and feeding of underdeveloped managers, 12/11, p.37
Your attitude is critical to worker motivation, 11/20, p.22

Motors:
Absence of rooster tails from four-cycle inboard motors, 8/14, p.22
An ultrasonic motor, 7/10, p.22
Orders for ac motors, generators picking up, 10/23, p.61
The speed of air motors can be governed by a fluidic device, 8/28, p.20

Mounts:
A novel leadless flat mount, 10/2, p.18

Movies:
Reach young adults through movie shorts, 7/10, p.9

Moving: See Relocation

Multinational Companies:
European solidarity to help U. S. multinationals, 9/4, p.70
European union maps multinational coalition, 10/16, p.76
Europeans offer 'split image' of U. S. multinationals, 7/17, p.26
Labor Day messages stress economy, jobs, 9/11, p.14
Many found higher profits overseas, but that may change, 7/31, p.15
Most multinationals do better overseas, 10/16, p.66
Multinational furor expected to worsen, 9/4, p.21
Multinationals face tougher going, 8/28, p.28

Musical Instruments:
No strings on musical instrument sales, 7/10, p.56

Mutual Funds:
Average fund holdings can provide tax basis, 10/30, p.10
College money plan might mix fund, insurance, 8/7, p.10
How to pick a mutual fund, 7/3, p.32
Mutual funds: unpopular but promising, 10/16, p.10

N

National Accounts:
Trend to national accounts sales approach accelerates, 10/2, p.44

National Aeronautics & Space Administration:
Hydraulic valve lifters often need some engine disassembly before they can be removed, 11/27, p.18

National Assn. of Manufacturers:
NAM is studying trade barrier, 9/4, p.28
Resource alarms to rise, warns NAM head, 12/18, p.19

National Assn. of Purchasing Management Inc.:
Purchasers see growth rate slowing in '73's second half, 12/11, p.53

National Commission for Labor Peace:
Labor peace panel to be named—after Nov. 7, 10/23, p.67

National Commission on State Workmen's Compensation:
Federal 'suggestions' for workmen's compensation, 8/7, p.13

National Labor Relations Board:
NLRB softens its 'must bargain' stance, 10/2, p.9

National Organization for Women:
Feminist leader raps profits, calls for new work concept, 12/4, p.18

National Right to Work Committee:
A disagreement with the landlord, 8/7, p.59

Natural Resources:
Ecology influencing material decisions, Metals Show told, 10/23, p.16

Neighborhood Youth Corps:
Costly worker retraining plans sometimes flop, Congress finds, 12/11, p.12

Neighbors:
Disaster is time to be a good neighbor, 8/14, p.9

Neutron Activation Analysis:
Neutron activation analysis is practical for commercial applications, 10/23, p.22

New Business:
Foreign R&D: threat with a silver lining, 10/16, p.50

New Orders:
Managers' hopes for strong autumn business coming true, 9/4, p.58
Orders get better results if you tell why, 10/2, p.9

New Products:
Firms explore many sources for profitable product ideas, 7/10, p.20
Need new products? 9/25, p.24

New York:
New York mulls a noise law amid whispers it's unrealistic, 8/14, p.26
2Rs—reading, riding—novel way to M.B.A., 10/2, p.21

New Zealand:
New Zealand firms join in aircraft venture, 7/24, p.60
New Zealand to restructure tariff schedules, 10/2, p.52
New Zealanders gain wage hikes, 9/18, p.78
Price hikes give trade boost to New Zealand, 7/17, p.52

Newspapers:
'Let's tell everyone,' 8/21, p.18

Nickel:
A new nickel extraction process recovers 92% of the nickel in laterite and sulfide ores, 12/18, p.22
Machining production too low? 9/18, p.26

Nixon Administration:
A new White House energy office? 11/27, p.59
Administration heads toward economic goals, 11/13, p.59
Another phase of decontrol speculation? 11/6, p.12
Boldt departure at President's pleasure, 11/20, p.59
Business is better, but did controls do it? 8/14, p.11
Business panel maps route toward gradual decontrol, 7/31, p.14
Can Nixon's new team manage government? 12/11, p.11
Economic growth is strong so far—but can it continue? 7/31, p.46
Federal deficit estimate continues upward, 11/20, p.59
FPC's Walker to exit, 12/4, p.101
First distant rumbles from 1973 labor talks, 7/3, p.13
Foreign energy hearings off until January, 12/18, p.51
Four more years of what? 11/27, p.47
New law expands disaster relief, 11/13, p.9
Nixon economists insist tax hike not necessary, 7/31, p.11
Not good enough!! 7/31, p.5
Phase 3 in '73? . . . only Richard Nixon knows for sure, 11/27, p.11
Schultz won't get 'spokesman' title, 7/3, p.55
UE, IUE say Nixon defeat is vital for '73 labor talks, 9/18, p.17
White House prepares prescription for foreign trade ills, 12/4, p.15
Will there be a VAT? 9/11, p.75
Yes, there will be a Phase 3, 12/18, p.11
Zero draft may result in need for better civilian job training, 11/13, p.15

Noise:
Cracks or flaws make noises, 7/3, p.24
Early flight enthusiasts patterned after birds, 10/23, p.20
Incramute has the ability to damp and reduce noise and vibration, 10/30, p.21
It's a sound code that knows when a noisy noise is noisy, 11/13, p.21
Job rotation: tool for meeting noise standards, 11/13, p.9
New York mulls a noise law amid whispers it's unrealistic, 8/14, p.26
Noise annoyances can be minimized, 10/2, p.18
Noise solution can cause heat problem, 12/4, p.11
Shhh!. Tougher noise rules under study, 10/16, p.23

Nondestructive Testing:
Nondestructive testing courses offered, 12/4, p.11

Nonferrous Metals:
Recovering nonferrous metals from slag and ash, 7/31, p.20
Superplasticity is attracting attention of nonferrous metals producers, 10/30, p.21

Northern Ireland:
Ulster turmoil skips industry, 10/23, p.32

Norway:
Norway's 'no' complicates European trade, 10/30, p.52

Nuclear Energy:
Will added uranium enrichment capacity arrive in time? 12/4, p.26

Nuclear Power:
Breeder reactors: one up and one down, 12/11, p.18
Contract signed for offshore atom plants, 10/9, p.18
LMFBR: the young miracle worker, 12/11, p.30
Next Congress to study reactor safety, 10/23, p.67
Smaller European countries going to nuclear power, 9/11, p.76
Will atom power be ready when needed? 11/27, p.13

Numerical Control:
Minicomputers push NC to new potential, 9/4, p.50
Numerical control for the small shop, 9/4, p.24

Nylon:
An antistatic cast nylon, 7/3, p.22

O

Objectives:
For best results, set simple objectives, 8/14, p.9

Occupational Safety & Health Administration:
Don't assume safety law means insurance break, 12/18, p.9
Guide tells how to 'take on' OSHA, 10/16, p.75
In compliance with OSHA? Simulate an inspection, 10/16, p.9
Line managers' safety role expanding, 7/10, p.46
More firms willing to sell industrial safety expertise, 7/3, p.16
Noise solution can cause heat problem, 12/4, p.11
OSHA accepts ASTM standards, 11/20, p.59
OSHA fines not automatic, official stresses, 11/13, p.67
OSHA outcry may stir Congress, 8/21, p.11
OSHA releases ten-month inspection results, 7/3, p.55
OSHA shakeup due? 11/6, p.67
OSHA tries to make compliance easier, 12/18, p.51
Oversight doesn't nix OSHA citation, 12/11, p.9
Safety laws force an instant market, 10/2, p.24
Shhh! Tougher noise rules under study, 10/16, p.23
Small firms find ways to deal with OSHA: look for faults first, 10/23, p.18
Some firms are fighting OSHA's lack of appeal, 10/16, p.13
States may soon bear larger OSHA burden, 11/13, p.14
Will industry like the 'new' OSHA better? 12/18, p.39
Will OSHA put a fan in your garage? 8/21, p.12

Oceans:
Ocean mining seen feasible by 1980, 12/4, p.31

Odor:
Papermaking odors are being removed, 7/31, p.20

Office Dress:
Beards warn of communications failure, 8/28, p.9
Pantsuits are passe; but dress codes face braless challenge, 7/24, p.17
You are what you wear . . . , 9/25, p.42

Office Grapevines:
How to sweeten a sour grapevine, 9/11, p.9

Offices:
Deducting home office space? A letter might help, 11/6, p.10
Office landscaping wins support, 9/4, p.9

Officials:
A Washington exodus? 8/21, p.53

Offshore Power Systems:
Contract signed for offshore atom plants, 10/9, p.18

Oil Barrier:
Oil creeping or leaking in watches, clocks, miniature bearings, 11/13, p.20

Oil Spills:
If a spill pollutes, confess, 9/25, p.9
Oil slicks control, 7/10, p.26
Tagging oil spills with invisible magnetic labels, 11/20, p.20

Operating Methods:
Copying efficient operations can cut costs, 11/13, p.9

Optical Equipment:
A low-cost optical scanner, 11/6, p.22
Optical analysis of 'ringing' impulses produced by striking metal structures, 11/6, p.22

Optical Reading:
Automatic optical reading of ordinary handwritten material, 7/3, p.24

Orders:
Pros, cons of production order potluck, 12/18, p.9

Ordnance:
Even ordnance won't drop with war's end, 12/11, p.53

Orientation:
Stress opportunities, cut turnover, 9/4, p.9

Outdoor Nation:
Ford mobilizing outdoor interests, 7/24, p.65

Ovens:
Microwave ovens don't produce an appetizing brown color, 10/30, p.20

Overtime:
'Nice guy' supervisors inflate overtime, 9/25, p.9

Oxidation:
A process for hypochlorite oxidation of starches, 9/18, p.28
Oxidation resistance of superalloys, 8/14, p.20

Oxygen:
The scuffing resistance of sliding steel surfaces, 11/20, p.20

P

Pacific Northwest:
Shipbuilding returns to Pacific Northwest, 8/7, p.23

Packaging:
Peterson urging voluntary labeling compliance, 7/3, p.55
Rigid plastics ready for new markets, 11/6, p.15
Who manages your packaging? 10/23, p.35

Paging:
Selective paging, 9/11, p.18

Paint: Also See Coatings
Even an auto's paint now helps cut smog, 7/31, p.20
Five-year dry spell to end as paint sales resume growth, 10/9, p.74
Flash rusting, 10/16, p.24
Painted rubber parts back up 1973's bumpers, 7/31, p.57
'Safer' paints stir little interest, 10/2, p.57
The high solids content of a new high sheen acrylic latex emulsion, 11/6, p.21
Ultraviolet cured paint, 9/11, p.18

Pakistan:
U. S. loan to aid Pakistan's development, 10/30, p.52

Pallets:
Movin' the goods . . . standardization holds the key, 11/13, p.40

Paper & Paper Products:
An 'inexpensive' water recycling system recovers paper fibers, 7/31, p.19
Early sales recovery surprises paper field, 7/24, p.58
Fiber box shipments point to strong '72, 8/21, p.57
Forest product firms finally see profits turn, 8/28, p.48
Growth in paper exports faces European roadblock, 7/31, p.53
Hardwood waste can be turned into commercial wallboard, 7/24, p.20
Modifications to conventional kraft pulping, 8/28, p.19
Paper industry critics cite cleanup progress, 9/11, p.26
Paper industry sees small capacity gains, 11/6, p.64
Papermaking odors are being removed, 7/31, p.20
Seven paper stocks due to rebound, 9/11, p.39
Trivia cleanup yields big payoff, 8/28, p.9

Paperwork:
Bare facts bear results, 7/31, p.9
Set a date for future action, 8/14, p.9

Papua-New Guinea:
Papua-New Guinea being wooed by Japan, 11/6, p.68
Papua-New Guinea wants 'sensitive' investors, 7/3, p.56

Parkinson, C. Northcote (Prof.):
Parkinson's 'law': big business isn't bad, 11/13, p.30

Parkinson's Disease:
L-Dopa, a drug used to treat sufferers of Parkinson's disease, 10/23, p.20

Partnerships:
Partnership interests swap can be tax-free, 7/3, p.10

Passports:
Passports available through postal service, 7/24, p.10

Patents:
Europeans agree to international patent system, 8/14, p.68
Patent chief is upset with courts, 7/24, p.59
Patent chief rejects compulsory licensing, 8/28, p.51

Pay Board:
As minimum wage moves up, pay control exemptions spread, 7/31, p.16
Four hearings set in review of Pay Board rules, 7/31, p.51
More delay possible for aerospace pact, 8/14, p.18
Pay guideline decision not due till fall, 7/17, p.51
Pay panel cuts merit exception, 11/27, p.59
Pay panel report shows no surprises, 12/11, p.59
Pay panel rule changes due soon, 10/30, p.51
Precedent: can't strike against Pay Board, 8/7, p.9
Statistical analysis, 7/31, p.51
Wage standard gets Pay Board review, 7/10, p.14

Paychecks:
Streamlined payroll catching on in Japan, 11/13, p.68

Peking:
Peking hosting Canadian trade fair, 8/28, p.52

Pelletizing:
Pelletizing in-plant dust and sludge into a blast furnace material, 7/10, p.22

Penalties:
OSHA fines not automatic, official stresses, 11/13, p.67

Penetrants:
Pollution by penetrant can be halted with a powder, 11/27, p.19

Pensions:
Actuaries see more Social Security change, 10/23, p.26
Early pensions draw more in 45-64 group, 10/9, p.28
Minimum wage, pension standards failed to emerge, 10/30, p.51
Pension legislation dead for this session, 10/2, p.51
Pension legislation gets surprise entry, 9/11, p.24
Time runs out . . . Congress faces massive backlog, 7/24, p.11

Petroleum & Petroleum Products:
Air pollution from burning heavy oil, 8/7, p.22
Alaskan pipeline hits new legal snarl, 9/25, p.20
Bacteria may be the means for getting oil out of shale, 11/20, p.22
Carbon dioxide gas helps recover millions of barrels of oil, 12/11, p.26
Clean burning of even heavy fuel oils, 10/9, p.16
Congress probes Alaska oil line; but courts may speed decision, 7/10, p.15
Controls delay oil's needed capacity gains, 11/20, p.56
Delay feared on transalaskan pipeline suit, 9/4, p.69
High-speed cutting oil lifts fog, says Mobil, 7/31, p.22
Investors eye oil developments, 11/27, p.10
Large outlays needed to head off oil shortage, 7/10, p.55
Lead change, don't be defensive, oilmen told, 11/6, p.26
Lead-free sales fizzle; oil firms await emissions answers, 12/11, p.57
Make energy choices now, say two experts, 11/20, p.16
More price hearings ahead? 9/11, p.75
Oil creeping or leaking in watches, clocks, miniature bearings, 11/13, p.20
Oil deal means higher prices ahead, 10/16, p.19
Oil execs unite on energy plan; White House policy due in '73, 11/20, p.14
Oil import rise favors international producers, 11/6, p.10
Oil sampling serves as a diagnostic procedure for engines and transmissions, 11/6, p.21
Petroleum council study due in September, 7/10, p.63
Shale oil production could start in 1973, 12/4, p.33
Small refiners may see lead rules eased, 11/13, p.17
Winter fuel shortages loom; heating oil is a new problem, 12/4, p.16

Phase 2:
As minimum wage moves up, pay control exemptions spread, 7/31, p.16
Business panel maps route toward gradual decontrol, 7/31, p.14
Can Phase 2 work in forest products? 12/4, p.87
Four hearings set in review of Pay Board rules, 7/31, p.51
IRS to run part of Phase 2 in Texas, 11/6, p.67
McGovern reveals Phase 2, 9/4, p.13
'Phase 2 worked,' says GOP, but tough problems remain, 8/21, p.13

Phase 3:
Phase 3 in '73? . . . only Richard Nixon knows for sure, 11/27, p.11
Yes, there will be a Phase 3, 12/18, p.11

Phaseouts:
Phaseouts spread as firms cut costs; push productivity, profits, 11/20, p.18

Pheromones:
Insect control by the use of pheromones, 9/11, p.18

Phosphates:
Akron decides on phosphates this week, 10/23, p.20

Photodegradable:
Making plastics photodegradable depends on certain additives, 8/14, p.22

Photography:
New processes help photo industry grow, 11/13, p.63

Physical Distribution:
Movin' the goods . . . more tradeoffs mean better distribution, 10/30, p.26
Movin' the goods . . . part 2, advances must be integrated into system, 11/6, p.37
Movin' the goods . . . part 3, standardization holds the key, 11/13, p.40

Physical Fitness:
Desire is key to fitness program, 10/16, p.10
Physical fitness aids self-confidence, 9/11, p.10

Pipes:
Price a pipe like a pair of shoes, 10/9, p.10

Pipes, Pipelines:
Alaskan pipeline hits new legal snarl, 9/25, p.20
Congress probes Alaska oil line; but courts may speed decision, 7/10, p.15
Congress unhappy with pipeline practices, 11/13, p.67
Delay feared on transalaskan pipeline suit, 9/4, p.69
Gas cutoffs, despite contract spark fight from industry, 12/18, p.12
Heat pipe developments, 12/11, p.24
Sales soar, but profits limp as plastic pipe comes of age, 7/17, p.55

Plant Facilities:
Renovate or rebuild? 10/9, p.36

Plant Shutdowns:
Can plant shutdowns keep worker in mind, 8/21, p.16
Massive writeoff aims at profits, 8/14, p.18

Plant Tours:
Do your plant tours get the message across? 11/13, p.9

Plants:
A plant growth regulator called Polaris, 8/28, p.20
The parasexual hybridization of plants, 8/28, p.20

Plastics:
A light concrete containing expanded plastic particles, 10/2, p.19
A new family of teflon resins, 9/18, p.28
Fiberglass reinforced plastic: 'now a basic,' 11/20, p.56
HDPE plastic invades lighting fixtures field, 9/18, p.72
High plasticizing performance with low-cost compounds, 12/18, p.22
Making plastics photodegradable depends on certain additives, 8/14, p.22
Making thin plastic films with ultraviolet light, 8/7, p.23
New polyurethane foam can be made from reclaimed foam, 7/24, p.20
Plastic-lead-plastic sandwiches, 11/13, p.24
Plastic shoe uppers are being made permeable, 8/14, p.20
Pultrusion of thicker structural plastic cross sections, 10/2, p.19
Rigid plastics ready for new markets, 11/6, p.15
Sales soar, but profits limp as plastic pipe comes of age, 7/17, p.55
Toolmaker expands capacity in plastics, 12/18, p.22

Plating:
Honing-plating process said to cut costs, 7/3, p.21

Platinum:
Will platinum catalysts clean up autos? 8/7, p.17

Playgrounds:
Give vandals something else to do, 10/30, p.9

Plywood:
Plywood production forecast gets nudge, 9/11, p.62

Poland:
Another mission to Moscow, 9/25, p.59
Chicago group sets trade agreement with Poland, 8/7, p.60
Poland looks for manufactured goods, 11/27, p.59

Political Party Platforms:
GOP, Dem platforms cast industry in different roles, 9/18, p.25

Politics:
Business must tell its story in election year, 10/23, p.9
Businessmen will stress Congressional races, 8/21, p.53
COPE registration effort undiluted, 9/25, p.59
5% economic growth no matter who wins, 10/2, p.46
GOP, Dem platforms cast industry in different roles, 9/18, p.25
How to influence workers' political views, 8/21, p.9
Labor's COPE working hard to beat Nixon, 7/10, p.14
Labor still has a big stake in the election, 10/30, p.40
McGovern's economic policies could lure 'idealistic' execs, 8/21, p.14
McGovern reveals Phase 2, 9/4, p.13
New bedfellows: companies and politics, 9/25, p.46
Peace would spur '73 stock market, 10/2, p.10
Political contribution plans under fire, 8/28, p.9
Political dinner fully deductible, 9/4, p.10
Politics cutting Capitol Hill productivity, 8/7, p.59
Selling the nominee . . . Democrats may find labor lukewarm, 7/10, p.13
Shrdlu's platform, 8/14, p.5
Union, national politics to vie for interest at USWA conclave, 9/18, p.16
UE, IUE say Nixon defeat is vital for '73 labor talks, 9/18, p.17

Pollution:
A novel combustion system for turbines, 7/24, p.21
A pollution profit is reported by Kawasaki Steel Corp., 11/13, p.24
A simple method that uses a radioisotope tracer, 7/3, p.22
Air pollution at refineries caused by escaping gasoline, 7/3, p.24
Air pollution control stocks? Price is right, 10/9, p.10
Air pollution from burning heavy oil, 8/7, p.22
Air ruling may limit California industry, 9/25, p.18
An 'inexpensive' water recycling system recovers paper fibers, 7/31, p.19
Anaconda to fight EPA's ground rules, 10/23, p.19
Auto emissions rules branded 'unrealistic,' 7/3, p.21
Boat tank helps fight marine pollution, 8/21, p.10
Cleaner air indoors, 9/18, p.28
'Coal gasification progress' has been announced by scientists, 10/16, p.22
Coil surface preparation, 12/4, p.41
'Combination of factors' led to pollution suit at Rouge complex, 7/24, p.22
Cost of pollution control to triple? 8/14, p.19
County, state, EPA, USS finally agree on coke cleanup, 10/9, p.12
Diesel a forgotten entry in 1976 clean engine race? 11/27, p.22
Ecology to thwart Japan's chemical industry? 11/6, p.68
EPA approves more state air plans, 10/9, p.75
EPA approves more state air plans, 11/13, p.67
EPA's clean air rules trigger 'ciassic' fight with smeltermen, 8/28, p.22
EPA finishing state air plans, 7/3, p.55
EPA says pollution laws won't hurt steel, 10/23, p.67
EPA, steel tiff over cleanup costs may be first of many, 11/6, p.18
Equipment updating to play minor role in '72 spending, 7/3, p.49
Europe nearing U. S. pollution standards, 10/23, p.26
Even an auto's paint now helps cut smog, 7/31, p.20
Exhaust gases can be cleaned efficiently, 8/21, p.16
Firm hires outside environmental audit, 7/17, p.14
Fly ash, a common air pollutant, 9/25, p.24
Ford engine problem no production crisis, 10/16, p.27
High-speed cutting oil lifts fog, says Mobil, 7/31, p.22
If a spill pollutes, confess, 9/25, p.9
Industry groping for clues to new water law's impact, 11/27, p.14
Is there a 'black box' around the corner? 12/4, p.8-11
Lead change, don't be defensive, oilmen told, 11/6, p.26
Manager on the spot . . . textile exec optimistic despite Phase 2, growing regulation, 11/13, p.23
Mine drainage pollution can be traced to its source, 7/10, p.22
Monthly fee gets water cleanup—in writing, 10/9, p.14
More answers to 1976 emission problems? 10/16, p.81
New discharge permit system proposed, 12/4, p.101
One man's view . . . political 'solutions' attacked, 9/25, p.26
Paper industry critics cite cleanup progress, 9/11, p.26
Pollution by penetrant can be halted with a powder, 11/27, p.19
Pollution control costs triple in two years, 8/7, p.27
Pollution control spending soars in Japan, 10/30, p.52
Pollution engineering show—getting an industry together, 12/11, p.19
Pollution of panic, 12/4, p.5
Pollution puzzle: search for the missing pieces, 12/4, p.48
Slanted news, administration of pollution laws bug many, 9/11, p.16
Small refiners may see lead rules eased, 11/13, p.17
Smog is leaving Los Angeles? Yes, but it may be back, 8/21, p.22
Sniff for the EPA, 10/30, p.5
Steel asserts it can't afford cleanup under current rules, 9/25, p.18
Sulfur dioxide monitors have been set up throughout the Netherlands, 7/24, p.20
Sulfur oxide emission control, 9/11, p.18
Tagging oil spills with invisible magnetic labels, 11/20, p.20
Time runs out . . . Congress faces massive backlog, 7/24, p.11
Two pilot plants will produce 'clean' coal, 9/25, p.19
U. S. firms invited on European trade mission, 9/25, p.60
U. S. Steel agrees to more Clairton cleanup, 10/30, p.17
U. S. Steel coke pact unclear; may be pacesetter, says EPA, 10/16, p.18
USWA wants hearings in pollution shutdowns, 7/3, p.15
Unknowns still plague exhaust cleanup fight, 12/18, p.57
Unsnarling data jam may be cleanup key, says EPA chief, 10/2, p.16
Waste wood chips for sale, 8/28, p.16
Water bill problems surface, 10/9, p.11
Water pollution control bill compromise set, 9/18, p.16
Who gets saddled with pollution control? 9/18, p.42
Will OSHA put a fan in your garage? 8/21, p.12
Will platinum catalysts clean up autos? 8/7, p.17

Polygrass:
Polygrass spreads outside stadiums, 10/23, p.65

Polyphenyl Ethers:
Lubricants made of polyphenyl ethers, 11/13, p.20

Porcelain:
Porcelain enameling requires specialized steels, 10/2, p.19

Ports:
Asia faces port problems in decades ahead, 7/17, p.52

Portugal:
Portugal entering supertanker field, 9/11, p.76

Postal Service:
Overseas yule mail? Don't miss deadlines, 10/16, p.10
Passports available through Postal Service, 7/24, p.10
Postal Service asks clients for advice, 8/7, p.26
Postal Service's competition is growing up, 7/3, p.46

Potassium:
Greater generator efficiency, 10/23, p.20

Powder:
A powder coating machine, 8/28, p.19
Electrostatic powder spray, 7/10, p.26
Pollution by penetrant can be halted with a powder, 11/27, p.19

Powder Metal:
Brazing systems for powder metal ferrous materials, 9/11, p.17

Powell, Lewis F., Jr. (Justice):
Justice Powell, in '71 memo, urged bigger role for chamber, 10/16, p.20

Power:
A superconducting generator rated at 6,700 hp, 11/13, p.20
Breeder reactors: one up and one down, 12/11, p.18
Contract signed for offshore atom plants, 10/9, p.18
Electric power transmission through a superconductive transmission line, 7/17, p.24
Finns' power needs to grow through 1970s, 11/20, p.60
LMFBR: the young miracle worker, 12/11, p.30
Power factor correction capacitors save money, 8/14, p.22
Space system may ease power shortages, 8/14, p.23
Superpower electric plants proposed for offshore sites, 8/21, p.17
We're going to have 1.5 million volt power transmission lines, 12/11, p.26
Will added uranium enrichment capacity arrive in time? 12/4, p.26

Preservatives:
A food preservative produced by bacteria, 12/4, p.45

Presses:
Giant forging press starts to pay its way, 10/30, p.16

Price Commission:
Blanket price approval rules get Price Commission review, 10/16, p.12
Debt reporting rules changed, 10/2, p.51

IRS to run part of Phase 2 in Texas, 11/6, p.67
Price panel rule changes seek accurate filing, quick results, 7/31, p.12
Profit filings arrive with less fanfare, 8/28, p.13
Sloppy reporting irks Price Commission, 8/14, p.67

Prices, Pricing:
Alcoa scores gallium price break, 8/7, p.23
Aluminum industry faces short supply, rising prices, 10/23, p.62
Blanket price approval rules get Price Commission review, 10/16, p.12
Changes due soon in antidumping rules, 10/2, p.51
Don't jump onto a price-cut bandwagon, 10/23, p.9
EEC unemployment and prices still rise, 10/16, p.76
European steelmakers fight price ceilings, 11/6, p.22
Export prices drop—slightly, 10/16, p.75
IRS to run part of Phase 2 in Texas, 11/6, p.67
Managers find cost relief, but no cure, 9/11, p.59
More gas, but higher prices may follow FPC price actions, 8/14, p.24
More jawboning may lie ahead, 9/4, p.69
More price hearings ahead? 9/11, p.75
New car price haggling can pay off, 7/17, p.10
Oil deal means higher prices ahead, 10/16, p.19
Outlook for stable prices brightens as pressures fizz, 9/11, p.61
Pay panelist for curbs at least through '73, 10/23, p.28
Price fixing force to focus on local level? 10/23, p.26
Price hikes give trade boost to New Zealand, 7/17, p.52
Price panel rule changes seek accurate filing, quick results, 7/31, p.12
Price pressures rise in rubber, petroleum, 9/25, p.57
Rubber adds bounce to wholesale prices, 8/21, p.57
Steel demand strong but price freeze holds, 11/6, p.59
Suppliers squirm in carmakers' price battle with White House, 8/28, p.14
UK steel price woes concern EEC, 12/18, p.19
Wholesale price gain is cut in half, 10/16, p.65
Wholesale prices up, but trend isn't broad, 7/24, p.61

Printing:
A novel facsimile system reduces the cost of transmitting, 8/21, p.17
Machinery sales may hinge on printing's move to automation, 9/4, p.66

Product Safety: See Safety

Production:
Pros, cons of production order potluck, 12/18, p.9

Productivity:
A pat on the back can boost productivity, 10/30, p.9
BLS publishes productivity data, 7/24, p.59
Congress wants productivity report—in 90 days, 7/31, p.51
Execs seen puzzled in productivity quest, 7/3, p.15
Firms wrestle with sales productivity, 11/6, p.27
Industry productivity outgains government's, 7/24, p.24
John Stewart's view . . . productivity panel offers help, but not specific solutions, 10/30, p.14
Lower output reduces productivity gains, 11/13, p.67
Managers challenged . . . find better ways to utilize people, 11/6, p.11
Monitoring increases textile productivity, 10/30, p.21
'Myths' termed brake on productivity gains, 10/30, p.15
Phaseouts spread as firms cut costs; push productivity, profits, 11/20, p.18
Productivity bargaining to have minor role, 11/13, p.67
Productivity challenge confronts strip mill, 9/4, p.19
Productivity review set; progress slow, 12/11, p.24
Profit payoff lags boost in morale, 9/18, p.11
Service rounds up productivity tips, 7/3, p.9
Study team to explore Japanese productivity, 9/18, p.23
Tell business' side, Gerstenberg exhorts, 12/4, p.35
The end of obligation, 10/16, p.59
USWA, industry to talk over productivity, 11/27, p.19
Want productivity? Let workers improve jobs, 12/4, p.36
Wasted time can swell your labor costs, 10/16, p.9
Work breaks can beat summer output sag, 7/17, p.9
'Working smarter' proved to pay off in productivity gains, 9/25, p.12

Profits:
Chemical profits soar 22% in broad-based sales pickup, 8/14, p.58
Controls, competition keep food industry in market bind, 9/18, p.64
Debt reporting rules changed, 10/2, p.51
Electrical goods producers sight record year ahead, 8/21, p.56
Excess profits minimum changed, 10/16, p.75
Expanded plants enable rubber firms to cash in on demand, 9/11, p.66
Feminist leader raps profits, calls for new work concept, 12/4, p.18
Forest product firms finally see profits turn, 8/28, p.48
Government firms make money in Taiwan, 7/17, p.52
Many found higher profits overseas, but that may change, 7/31, p.15
Massive writeoff aims at profits, 8/14, p.18
Metalworking machinery firms begin climb out of recession, 9/4, p.60
Most markets for industrial goods healthy—but not all, 9/25, p.54
Most share in 18% profit improvement, 11/20, p.53
Profit filings arrive with less fanfare, 8/28, p.13
Profits jump for steel firms; margins still 'unsatisfactory,' 11/6, p.57
Profits lesson can aid fight against waste, 10/9, p.9
Recruiting now 'geared to profits,' 10/23, p.12
Research vital to steady profit growth, 12/11, p.29
Sloppy reporting irks Price Commission, 8/14, p.67
Small business gets a break on renegotiation, 7/31, p.51
Steel profits drop belies industry's '72 strength, 8/7, p.55
'Sword thrust' planning has just one target: ROI, 7/3, p.42
Tell business' side, Gerstenberg exhorts, 12/4, p.35
Textiles' sales up but profits still lag, 9/18, p.70

Programming:
Programmable controllers are getting cheaper, 9/18, p.26
Programmable controllers promise productivity, 7/24, p.38

Projects:
V.P.-killing things, 9/25, p.5
V.P.-prevention, 12/11, p.5

Promoters:
Competing with the big boys, 7/24, p.46

Promotions:
'Advertisement' can help to sell yourself upward, 12/11, p.9
Boss's mobility determines your own, 8/14, p.10
Company chiefs average 54 hours per week, 10/9, p.10
Marriage is aid to advancement, 8/7, p.9
Modic is named IW's editor, 10/9, p.13
Speer to head U. S. Steel in '73, 12/4, p.17

Propane:
Oil storage tanks can be converted into storage units for liquefied natural gas or propane, 11/13, p.20

Property:
Some tips for reporting property donations, 12/4, p.12

Propulsion:
Waterjet marine propulsion for ships, 8/14, p.22

Prosthetics:
Artificial (prosthetic) hands controlled by advanced electronics, 10/2, p.18

Protein:
Adding extra protein to bread, 11/6, p.22
Starchy waste water can be turned into edible protein, 7/10, p.26
What's in macaroni? FDA plans new rule, 11/6, p.13

Public Opinion:
Telephone poll shows what worries workers, 12/11, p.22

Public Relations:
Reach young adults through movie shorts, 7/10, p.9

Publications:
"A Guide to Sources of Data on Women and Women Workers for the United States and for Regions, States, and Local Areas," Women's Bureau, Dept. of Labor, 9/11, p.20
"Accident Facts," National Safety Council, 10/30, p.9
Accountant's Weekly Report, Prentice Hall Inc., 9/11, p.10
Advance look at common mart tariff changes, 10/23, p.9
Bravely Bravely in Business, American Management Assn., 9/18, p.11
"Businessman's Guide to Profit Opportunities in Trinidad & Tobago," Trinidad & Tobago Industrial Development Corp., 11/20, p.60
Executive Fitness Newsletter, 7/3, p.10
"Facing Facts About Preparing for Your Future," Prudential Insurance Co., 7/31, p.10
Federal job safety and health standards for general industry, OSHA, 11/6, p.67
Federal Register, government record of federal regulations, 11/20, p.59
Guide tells how to 'take on' OSHA, 10/16, p.75
"How to Spot a Rent Violation," Internal Revenue Service, 11/27, p.10
New law expands disaster relief, 11/13, p.9
Nondestructive testing courses offered, Magnaflux Corp., 12/4, p.11
OSHA comes out with a loose-leaf subscription service early next year to help business keep up with the agency's activities, 12/18, p.51
Parkinson's Law, Prof. C. Northcote Parkinson, 11/13, p.30
Pictorial Markings for Handling of Goods, standard set of symbols for nondangerous goods containers, 11/27, p.9
"Secretaries' Diet," Diet Workshop, 12/18, p.9
TIPS for Productivity, General Electric Co., 7/3, p.9
"Wise Home Buying," Dept. of Housing & Urban Development, 9/4, p.10

Puerto Rico:
Puerto Rico prepares for new economic thrust, 10/30, p.35

Pumps:
Absence of rooster tails from four-cycle inboard motors, 8/14, p.22
Molten metal can be pumped electromagnetically, 7/31, p.20

Purchasing:
Evaluating supplier performance, 7/31, p.9
Think 'should cost'—not 'has cost,' 7/10, p.47
Think thrice before you order, 9/18, p.11

Q

Quartz:
Fine particles of quartz in coal, 9/25, p.24

Questionnaires:
Postal Service asks clients for advice, 8/7, p.26

Quotas:
Quotas slow textile imports, foreign firms shift product mix, 7/3, p.26

R

Rabies:
Sleeping outdoors? Beware of rabid animals, 10/30, p.10

Radar:
Hidden mineral resources can be uncovered, 10/16, p.24

Radiation:
Growing use of X-rays as detection tools, 7/17, p.23
Seeds, plants, and insects have susceptibility to electromagnetic radiation, 8/28, p.19

Radioactivity:
Atmospheric radioactivity has decreased, 8/14, p.20

Radioisotopes:
A simple method that uses a radioisotope tracer, 7/3, p.22

Radios:
Do your plant tours get the message across? 11/13, p.9
Shop communications can be improved, 7/24, p.21

Railroads:
Amtrak's international service may add Mexico, 11/13, p.10
Are the trains really worth riding again? 8/21, p.42
Freight car charges could spur carbuilding, 11/13, p.27
Managers coping with freight car shortage, 8/28, p.47
Movin' the goods . . . part 2, advances must be integrated into system, 11/6, p.37
Nationalized railroads still a 'hot topic,' 9/11, p.75
New York plans to test this pair, 7/24, p.26
No massive shortage of freight cars—yet, 12/11, p.27
One rail dispute ends, but others roll on, 7/31, p.16
Railroad equipment makers sidetracked by uphill climb, 11/13, p.61
Train crew dispute threatens rail peace, 7/24, p.15
Transportation bills near approval, 9/4, p.69

Randall, John A.:
Consulting gets a new twist, 12/11, p.36

Real Estate:
Beware of undivided interest land deals, 10/2, p.10
Buy realty trusts for income, not gains, 8/7, p.10
Cash, tax break both possible on realty deal, 9/11, p.10
Idle land? Camping could provide return, 7/10, p.10
Land cost can sweeten casualty deduction, 10/16, p.10
Large industrial firms seen dominating housing by 1980, 7/31, p.13
Uncertainties mar investment outlook, 8/21, p.58

Recalls:
Recalls frustrate Detroit engineers, 9/4, p.75

Record Retention:
Agnes-soaked papers salvaged by freezing, 8/7, p.24

Recording Equipment:
An erasable optical recording material, 8/21, p.16
Audio and printed information are combined in a training system, 9/25, p.22

Records Management:
Maintaining and storing records, 12/11, p.26

Recreation:
Tax break on hobby farms, vacation homes cut, 8/28, p.10

Recreational Vehicles:
Now—a real busman's holiday, 7/3, p.10
'Slowdown' means 10% growth to recreation vehicle makers, 11/13, p.64

Recruiting:
Industry recruiting goes well, new town developers discover, 11/20, p.25
Recruiting now 'geared to profits,' 10/23, p.12
Selling yourself for that bigger job, 9/11, p.56
VA programs cut recruiting, training costs, 7/3, p.9

Recycling:
A new team attacks solid waste, 7/17, p.15
A pollution profit is reported by Kawasaki Steel Corp., 11/13, p.24
An 'inexpensive' water recycling system recovers paper fibers, 7/31, p.19
Appliance recycling tried in pilot program, 9/18, p.20
Equipment needs, financing may detour recycling firms, 8/28, p.21
LMFBR: the young miracle worker, 12/11, p.30
Magnetic separation boosts consumption of scrap cans, 9/11, p.23
Mining the treasure in trash, 7/31, p.34
New ways to prepare scrap, 11/6, p.21
Recycling . . . and then some, 11/6, p.52
Recycling incentives will help—but only so much, 7/24, p.14
Recycling spreads to another resource: executives, 8/7, p.44
Tax incentives proposal cheers recycling industry, 7/17, p.14

Refineries:
Air pollution at refineries caused by escaping gasoline, 7/3, p.24

Refractories:
Steel fiber-reinforced refractories, 8/21, p.17

Registers:
A gold 'cash register' for production use tells how much it's costing to plate each part, 11/20, p.20

Rehabilitation:
Putting the rehabilitated back to work, 9/18, p.41

Relocatable Structures:
Relocatable structures winning new markets, 10/30, p.54

Relocation:
Keeping your friends in town, 12/18, p.34
More managers put family first, job second, 10/30, p.9
Moving bill 'inflation' can't top 10%, 9/11, p.10
Protecting yourself on moving costs, 8/7, p.10
Pulling up stakes brings benefits as well as problems, 7/31, p.23
West, Southwest gainers in corporate headquarters moves, 10/2, p.21
Wife is key to successful relocation, 7/31, p.10

Renegotiation:
Small business gets a break on renegotiation, 7/31, p.51

Renegotiation Board:
Excess profits minimum changed, 10/16, p.75

Renting:
If you rent, IRS booklet may be helpful, 11/27, p.10

Repairs:
Expert repair costly—but it often saves, 7/24, p.9

Reports:
Bare facts bear results, 7/31, p.9
Profit filings arrive with less fanfare, 8/28, p.13
Slanted news, administration of pollution laws bug many, 9/11, p.16
Sloppy reporting irks Price Commission, 8/14, p.67

Research & Development:
Foreign R&D threat with a silver lining, 10/16, p.50
Kaiser license signals rising U. S. interest in Soviet R&D, 9/4, p.23
R&D's prime target: business, 12/11, p.9
Research firm finds success formula, 8/21, p.48
Research vital to steady profit growth, 12/11, p.29
Technology expands food industries, 10/16, p.52
Tunneling research draws federal interest, 12/18, p.21
Watch for 'negatives' as R&D effort shifts, 9/25, p.24
What happened to our technology lead? 9/25, p.28
When to cut the cord, 12/4, p.68

Resins:
A new family of teflon resins, 9/18, p.28

Resources:
Resource alarms to rise, warns NAM head, 12/18, p.19

Resumes:
Seeking a job? Write your own resume, 11/13, p.10
Selling yourself for that bigger job, 9/11, p.56

Retirement:
Early pensions draw more in 45-64 group, 10/9, p.28

Return on Investment:
'Sword thrust' planning has just one target: ROI, 7/3, p.42

Robots:
A visual image processing system activates a robot, 11/13, p.24

Rodenticide:
A rodenticide based on a carbomate compound, 11/20, p.20

Rogala, Richard E. (Dr.):
Making the weekly meeting more productive, 12/18, p.44

Romania:
NMTBA to seek sales in Eastern Europe, 7/31, p.17
Romanian move a key to closer East-West ties? 11/27, p.60

Roofing Materials:
Lightweight roofing made of lead composite materials, 11/13, p.20

Roses:
Roses under vinyl, 7/10, p.18

Rubber:
A new synthetic rubber stays flexible, 12/4, p.41
An analyzer that enables chemists to determine quality of rubber materials, 10/2, p.19
Bonding of silicone rubbers, 7/10, p.22
Expanded plants enable rubber firms to cash in on demand, 9/11, p.66
Painted rubber parts back up 1973's bumpers, 7/31, p.57
Rubber adds bounce to wholesale prices, 8/21, p.57

Rudisill, Edward L.:
Don't play 'Russian roulette' with corporate dollars, 10/9, p.53

Rules & Regulations:
Overkill, 7/10, p.5
Regulation to oblivion, 7/10, p.S-1

Russia: See Soviet Union

Rust:
Flash rusting, 10/16, p.24
Rust thickness is determined by a punch-and-probe laser system, 10/9, p.16

Rustproofing:
Rustproofers fill special role in auto production, 11/27, p.63

S

Safety:
Almost all states plan job safety efforts, 8/7, p.59
Booklet analyzes industrial accidents, 10/30, p.9
Court delays auto air bags; calls for more refined testing, 12/11, p.20
Don't assume safety law means insurance break, 12/18, p.9
Family interest spurs safety effort, 9/25, p.9
Furnace inspection could save your life, 10/30, p.10
Glove box computer monitors safety systems, 8/7, p.65
Heavier '73's may use more steel, but . . . , 9/25, p.65
In compliance with OSHA? Simulate an inspection, 10/16, p.9
Industry can live with product safety bill, 10/30, p.13
Job rotation: tool for meeting noise standards, 11/13, p.9
Line managers' safety role expanding, 7/10, p.46
More firms willing to sell industrial safety expertise, 7/3, p.16
Next Congress to study reactor safety, 10/23, p.67
OSHA accepts ASTM standards, 11/20, p.59
OSHA fines not automatic, official stresses, 11/13, p.67
OSHA outcry may stir Congress, 8/21, p.11
OSHA releases ten-month inspection results, 7/3, p.55
OSHA tries to make compliance easier, 12/18, p.51
Oversight doesn't nix OSHA citation, 12/11, p.9
Safe driving hints for winter, 12/4, p.12
Safety laws force an instant market, 10/2, p.24
Should firms pay out for unsafe products? 9/4, p.18
Small firms find ways to deal with OSHA: look for faults first, 10/23, p.18
States may soon bear larger OSHA burden, 11/13, p.14
Tie safety push to fire prevention? 8/21, p.9
Top cause of truck crashes: sleepy driver, 10/16, p.9
Will industry like the 'new' OSHA better? 12/18, p.39
Will OSHA put a fan in your garage? 8/21, p.12

Safety Products:
Safety laws force an instant market, 10/2, p.24

Sage, David:
Why EDP Cinderellas woo the princes, 7/17, p.43

St. Lawrence Seaway:
Seway takes weight off shippers, 9/4, p.70
Seaway tonnages running behind last year's record, 7/31, p.21

St. Paul, Minnesota:
Recycling . . . and then some, 11/6, p.52

Salaries & Wages:
As minimum wage moves up, pay control exemptions spread, 7/31, p.16
Business bureaucracy, 10/9, p.5
Canadian, U. S. wage gap ending? 7/24, p.24
Cost of living outpaces top executive earnings, 8/14, p.14
French executives lead European salary race, 11/27, p.60
Higher income may not mean better health, 12/11, p.10
Minimum wage, pension standards failed to emerge, 10/30, p.51
New Zealanders gain wage hikes, 9/18, p.78
Overseas execs win varying pay hikes, 11/6, p.22
Pay guideline decision not due till fall, 7/17, p.51
Pay increases drop, AMA survey reveals, 11/13, p.19
Pay panel cuts merit exception, 11/27, p.59
Pay panel rule changes due soon, 10/30, p.51
Pay rises 2.2 to 6.7% for office employees, 7/17, p.53
Plants set labor rates with area survey, 11/27, p.44
Stanford grads get more pay, job offers, 10/2, p.20
Study spotlights executive pay trends, 12/18, p.46
Time runs out . . . Congress faces massive backlog, 7/24, p.11
Top executive salaries rise 5.1% in 1971, 7/31, p.22
Wages and dividends, 8/14, p.67
You can't win for losing, 10/30, p.47

Sales & Marketing:
Consumers' attitudes favorable: sales jump, 7/31, p.50
Executive hiring turns conservative, 10/23, p.11
Firms wrestle with sales productivity, 11/6, p.26
Put all employees on your sales team, 7/17, p.9
Trend to national accounts sales approach accelerates, 10/2, p.44
Zero in on your top customers, 9/18, p.11

Satellites:
Large hovering satellites may beam large quantities of electrical energy to earth, 7/24, p.20

Saudi Arabia:
Investors eye oil developments, 11/27, p.10

Savings Program:
Employee thrift plans grow more liberal, 7/17, p.22

Scanning:
A low-cost optical scanner, 11/6, p.22

Schneebell, Herman T.:
Schneebell, GOP maverick, steps into Ways & Means post, 12/11, p.14

Schools:
Industry, schools must work together, 7/10, p.9
Labor Dept. officials head back to school, 7/24, p.59
2Rs—reading, riding—novel way to M.B.A., 10/2, p.21

Scrap:
Even scrap can be upgraded, 10/23, p.9
Is removing magnesium from aluminum scrap your problem? 8/28, p.20
Magnetic separation boosts consumption of scrap cans, 9/11, p.23
New ways to prepare scrap, 11/6, p.21
Scrap processors junk old patterns, 7/3, p.20
Scrap shippers declare a victory, 12/4, p.101

Sculpturing:
Sculpture kit a good gift idea, 12/11, p.10

Sealants:
Sealing anodized aluminum with a process called Duralox, 12/4, p.41

Seating Arrangements:
Where boss sits affects a meeting, 7/10, p.9

Seattle, Washington:
Seattle fair to feature Russian export goods, 7/31, p.18

Secretaries:
Sharing can ease shortage of good secretaries, 10/23, p.9
Your secretary: robot or management aide? 7/17, p.33

Securities & Exchange Commission:
SEC weighs testimony on earnings forecast rules, 12/18, p.15
Still wise to avoid 'hot new stocks,' 8/14, p.10
Watch what you say and to whom you say it, 12/4, p.11

Security:
An experimental laser camera can pick out footsteps, 9/25, p.22
Are you opening the door for burglars? 8/28, p.10
CATV can provide low cost security, 10/2, p.17
Design security into new facilities, 7/17, p.9
Drug pushers invade employment rolls, 7/24, p.9
Employee theft rising, but you can slow tide, 12/11, p.28
How to discourage worker embezzlement, 8/14, p.9
Industrial park security system aims at theft, 10/9, p.9
Security, wages still top youth job goals, 8/7, p.25
Spot thieves before they steal, 11/27, p.9
Theft prevention effort is a must, 7/3, p.9
'Think local' on plant protection devices, 11/6, p.9
Tips on surviving burglary season, 7/24, p.10

Self-punch Clinch:
The self-punch clinch can replace many fastening methods, 8/14, p.20

Senate Government Operations Committee:
Action delay on consumer agency, 7/17, p.51

Service Industries:
Service economy? 8/21, p.5
Services sold overseas now insurable, 10/9, p.76

Sewage:
Boat tank helps fight marine pollution, 8/21, p.10
Steel plant waste aids sewage treatment, 9/25, p.21

Shale:
Shale oil production could start in 1973, 12/4, p.33

Shipments:
Shipments maintain 13% edge over '71, 11/6, p.66

Shipping:
A water cushion using a principle similar to an air cushion, 10/2, p.18
As.a faces port problems in decades ahead, 7/17, p.52
British unionists dispute container jurisdiction, 8/7, p.60
Containerization's success creates problems, 9/18, p.32
Containers, job losses trouble British docks, 8/7, p.15
Detroit moves to protect new cars in transit, 7/17, p.57
Federal ice-fighters seek longer Great Lakes season, 12/18, p.23
Iron ore strikes peril supply, 7/24, p.21
Movin' the goods, more trade-offs mean better distribution, 10/30, p.26
One overlooked way to cut shipping costs? 7/3, p.19
Seaway takes weight off shippers, 9/4, p.70
Seaway tonnages running behind last year's record, 7/31, p.21
Shipment theft is usually 'inside job,' 9/4, p.9
Waste wood chips for sale, 8/28, p.16
Will U. S. superports spur new domestic development? 12/4, p.28
Wreck slows lakes shipping; long, late season predicted, 9/11, p.14

Ships, Shipbuilding:
A ship hull antifouling system, 8/21, p.16
Fiberglass is challenging steel as the building material for lighters, 9/25, p.22
Korea to compete in supertankers, 8/21, p.54
More help for LNG shipbuilders, 10/23, p.67
Portugal entering supertanker field, 9/11, p.76
Shipbuilding returns to Pacific Northwest, 8/7, p.23
Spain expanding shipbuilding capacity, 7/10, p.64
Spain expanding shipbuilding industry, 11/13, p.68
Subsidies launch shipyards into rich LNG tanker market, 10/9, p.20
Underwater obstructions can be avoided more easily by ship captains, 11/13, p.24
Waterjet marine propulsion for ships, 8/14, p.22
Will U. S. superports spur new domestic development? 12/4, p.28
Wreck slows lakes shipping: long, late season predicted, 9/11, p.14

Shoes & Boots:
Plastic shoe uppers are being made permeable, 8/14, p.20

Shuttles:
Meetings to show how to bid on shuttle, 11/20, p.20

Sierra Club:
Sierra Club seeking court action speedup, 7/24, p.14

Sieves:
Molecular sieves remove deleterious effluents in several industries, 10/23, p.20

Silicone:
A water-soluble silicone emulsion, 8/7, p.23

Sintering:
An improved cement sintering technique, 8/21, p.17

Skilled Workers:
Some skilled help is getting harder to find, 8/28, p.11

Skin:
How to avoid summer skin problems, 7/3, p.10
Skin cancers can be caused by artificial light, 7/3, p.22

Slag:
Recovering nonferrous metals from slag and ash, 7/31, p.20

Sleep:
Sleeping outdoors? Beware of rabid animals, 10/30, p.10
Top cause of truck crashes: sleepy driver, 10/16, p.9

Slogans:
Labor's newest tool: slogans, not strikes, 12/18, p.24

Sludge:
A sludge level detector permits automatic, continuous control of sludge drainoff in a settling tank, 11/13, p.24

Small Business:
A boost for small business exports, 10/2, p.52
Free management aid being tried by SBA, 10/16, p.25
Small business gets a break on renegotiation, 7/31, p.51
Small firms find ways to deal with OSHA: look for faults first, 10/23, p.18

Small Business Administration:
Free management aid being tried by SBA, 10/16, p.25
SBA is eager to lend a hand, 9/18, p.11

Smaller Manufacturers Council:
Small firms find ways to deal with OSHA: look for faults first, 10/23, p.18

Smog:
Smog is leaving Los Angeles? Yes, but it may be back, 8/21, p.22

Smoking:
Price a pipe like a pair of shoes, 10/9, p.10
Want to quit? Try this breathing exercise, 8/28, p.10

Soaps & Detergents:
Akron decides on phosphates this week, 10/23, p.20

Social Problems:
Volunteers achieve effective, inexpensive social programs, 7/24, p.16

Social Security:
Actuaries see more Social Security change, 10/23, p.26
Social Security plans bigger bite, 12/18, p.51
Teen-ager's earnings versus taxes, 10/2, p.10

Society:
Speak up—to all elements of society, 9/25, p.9

Soft Drinks:
Two-chambered containers for soft drinks, 10/2, p.19

Software:
Software decision brings relief, 12/11, p.59

Soil:
Removing microparticles from soil samples, 9/25, p.24
Waste water renovation, 9/4, p.24

Solar Energy:
Solar diffusion welding is a novel technique, 9/18, p.28

Soldering:
A cordless soldering iron, 7/10, p.22

Sonar:
Underwater obstructions can be avoided more easily by ship captains, 11/13, p.24

Sound Waves:
Measurement of liquid flow without protruding into the flow, 9/4, p.22

South America:
Andean countries allocate metalworking industries, 11/13, p.68

South, The:
Atlanta visit offers attractions for all, 7/10, p.10

Soviet Union:
Another mission to Moscow, 9/25, p.59
Congress holds key to Soviet trade pacts, 10/30, p.11
Finns, Soviets combine capitalism, socialism, 12/11, p.60
Getting down to business with Russia, 7/24, p.32
Kaiser license signals rising U. S. interest in Soviet R&D, 9/4, p.23
Managers gear up slowly for U. S.-Russian trade, 11/27, p.49
MFN wouldn't bring Soviet import flood, 7/24, p.59
Only Russia to escape energy crisis, 10/23, p.68
Russia, Italy best potential computer markets, 8/28, p.52
Russia trade accord near; Japan talks termed 'useful,' 9/25, p.14
Russian 'buys' at show just a prelude? 9/18, p.20
Seattle fair to feature Russian export goods, 7/31, p.18
Soviet trade pact still possible this year, 8/21, p.53
Soviets programmed to buy more U. S. computers, 7/31, p.52
Tool, die firm signs Russian contract, 12/4, p.102
USSR reports 6.7% rise in output, 11/13, p.25

Soybeans:
New products from soybeans, 7/31, p.20

Space Manufacturing:
Apollo 17 will try space manufacturing, 12/4, p.101

Space Shuttle:
Shuttle cheers aerospace, but some subcontractors doubtful, 8/7, p.14
Space shuttle program starts to lift off, 12/4, p.22

Space Technology:
Can space technology work in the factory? 11/13, p.20
Selling space fallout on earth, 7/17, p.29
Space system may ease power shortages, 8/14, p.23

Space Utilization:
Will your company live in a condominium? 8/28, p.9

Spain:
Spain expanding shipbuilding capacity, 7/10, p.64
Spain expanding shipbuilding industry, 11/13, p.68
Spain moves to curb inflation, 11/6, p.68

Speakers:
Decorative speaker new hi-fi idea, 12/18, p.10

Stack Gas Cleaning Technology:
Will energy darkness lead to dawn? 8/14, p.S-13

Stainless Steel:
A new way to make stainless steel involves coating one side, 7/31, p.19
Ferrous diecaster tackles stainless, 12/11, p.50
Machining production too low? 9/18, p.26
New York plans to test this pair, 7/24, p.26
One of the latest stainless steel casting alloys, 10/9, p.16
Protecting stainless from high-temperature oxidation and erosion, 11/13, p.20
Stainless cold heading wire no longer needs to be coated with copper, 7/24, p.20

Standard Parts:
Standard parts 'supermarket' streamlines inventory, 7/31, p.38

Standardization:
Movin' the goods . . . standardization holds the key, 11/13, p.40
Standardized equipment can cut parts inventory, 12/18, p.9

Standards:
Competitive heat wilts some U. S. exports, 10/30, p.12
Customs valuations setup being reviewed, 10/9, p.76
Set and enforce distributor standards, 9/4, p.9

Stanford University's Graduate School of Business:
Stanford grads get more pay, job offers, 10/2, p.20

Starch:
A process for hypochlorite oxidation of starches, 9/18, p.28

State Development:
Investors taking long look at Wyoming, 12/4, p.12
States may soon bear larger OSHA burden, 11/13, p.14

Static:
Shocked when you walk across a carpet? 10/16, p.22

Steel:
A bearing steel similar to AISI 52100 is being produced, 11/27, p.19
A continuous casting steel mill, 9/4, p.24
A new way to make stainless steel involves coating one side, 7/31, p.19
A Russian alloy steel containing 2% alloying elements, 7/24, p.21
Analyst sees good buys in steel stocks, 11/20, p.10
Brazil still promoting foreign investment, 10/23, p.68
Continuous annealing system, 9/4, p.22
Even scrap can be upgraded, 10/23, p.9
Fabricated metals field still lags —but bright spots emerge, 10/9, p.60
Free cutting steels can be manufactured with strengths up to 156,000 psi, 10/16, p.22
French steelmakers to spend $3 billion, 11/20, p.60
Grinding 0.038 in. slots in die steel, 8/21, p.17
Heavier '73's may use more steel, but . . ., 9/25, p.65
Impact strength of cast manganese steel can be increased, 7/31, p.19
Montreal minimill eyes Canadian sales, 11/27, p.21
New ways to prepare scrap, 11/6, p.21
Open hearth steelmaking, 7/24, p.20
Porcelain enameling requires specialized steels, 10/2, p.19
Shaping process may open more markets for steel cans, 7/10, p.21
Special drawing steel gets production boost, 7/24, p.22
Steel fiber-reinforced refractories, 8/21, p.17
Steelmaking in the 1980s and beyond, 8/28, p.19
The scuffing resistance of sliding steel surfaces, 11/20, p.20
UK steel price woes concern EEC, 12/18, p.19

Steel Industry:
A pollution profit is reported by Kawasaki Steel Corp., 11/13, p.24
Abel: Crisis bargaining must go, 9/25, p.11
Australia bidding for giant steel complex, 9/25, p.60
Auto industry demand again giving steel a lift, 8/7, p.57
Big auto year should boost steel efficiency, 7/24, p.58
Booming auto industry bolsters steel's health, 10/9, p.64
Busy months ahead for steel industry, 12/11, p.55
Capital goods pickup boosts steel optimism, 10/16, p.66
December steel shipments to be larger than usual, 11/27, p.52
EPA says pollution laws won't hurt steel, 10/23, p.67
EPA, steel tiff over cleanup costs may be first of many, 11/6, p.18
European steelmakers fight price ceilings, 11/6, p.22
Fall-winter shipping to keep steel hopping, 9/18, p.68
I. W. Abel: Searching for ways to work with management, 11/13, p.13
Injecting new life into open hearths, 9/4, p.20
Japanese firm tops world steelmakers, 7/10, p.64
Justice Dept. seeks dismissal of steel suit, 9/11, p.13
Lagging steel markets perk up, cheer mills, 10/2, p.47
Midwest markets draw another new bar mill, 8/21, p.19
More steelmen consider direct reduction plants, 12/18, p.20
More than steelworkers, USWA grows as multi-industry force, 10/2, p.11
New era of big lake boats arrives, 10/2, p.28
November's strength surprises some mills, 11/20, p.55
Outlook still favoring steel shipments peak, 7/17, p.49
Pressure is building for steelmaking stepup, 9/25, p.56
Productivity challenge confronts strip mill, 9/4, p.19
Productivity review set; progress slow, 12/11, p.24
Profits jump for steel firms; margins still 'unsatisfactory,' 11/6, p.57
Raw steel set to pass last year's output pace, 9/4, p.62
Recycling incentives will help—but only so much, 7/24, p.14
Steel asserts it can't afford cleanup under current rules, 9/25, p.18
Steel delivery jam could occur late in '72, 7/3, p.51
Steel demand strong but price freeze holds, 11/6, p.59
Steel expansions may be harbinger, 9/18, p.27
Steel imports set another record, 7/10, p.51
Steel industry to keep busy during holidays, 12/18, p.47
Steel industry watching 1973 USWA elections, 8/14, p.13
Steel inventory, order trends fuel optimism, 8/21, p.51
Steel labor costs to rise $6 per ton, 7/31, p.45
Steel mills preparing for autumn sales boom, 8/14, p.60
Steel mills start to feel transportation pinch, 12/4, p.87
Steel orders exceed month-ago rates, 10/23, p.63
Steel output rates show business is up, 10/30, p.49
Steel plant waste aids sewage treatment, 9/25, p.21
Steel price discounts reported to be ended, 7/10, p.52
Steel profits drop belies industry's '72 strength, 8/7, p.55
Steel's troubles in West show import power, 7/24, p.28
Steel ups hopes again as vacation time ends, 8/28, p.49
Steelmakers count on capital goods pickup, 11/13, p.60
Steelmakers sold on continuous casting, 11/6, p.17
Summer's sizzling demand undergirds raw steel output, 7/24, p.57
U. S. Steel agrees to more Clairton cleanup, 10/30, p.17
USWA, industry to talk over productivity, 11/27, p.19
Weak lines trim steel 8% below usual level, 9/11, p.67
West Coast swamped by steel imports, 7/10, p.52
'Will managers have a voice in important decisions?' 10/16, p.14
World growth of L-D steel capacity slows, 10/30, p.50
Yugoslavia begins major steel industry expansion, 7/24, p.60

Steel Production:
Auto industry demand again giving steel a lift, 8/7, p.57
Booming auto industry bolsters steel's health, 10/9, p.64
Busy months ahead for steel industry, 12/11, p.55
Capital goods pickup boosts steel optimism, 10/16, p.66
December steel shipments to be larger than usual, 11/27, p.52
Fall-winter shipping to keep steel hopping, 9/18, p.68
Japanese firm tops world steelmakers, 7/10, p.64
Lagging steel markets perk up, cheer mills, 10/2, p.47
November's strength surprises some mills, 11/20, p.55
Outlook still favoring steel shipments peak, 7/17, p.49
Pressure is building for steelmaking stepup, 9/25, p.56
Raw steel set to pass last year's output pace, 9/4, p.62
Steel delivery jam could occur late in '72, 7/3, p.51
Steel demand strong but price freeze holds, 11/6, p.59
Steel industry to keep busy during holidays, 12/18, p.47
Steel inventory, order trends fuel optimism, 8/21, p.51
Steel labor costs to rise $6 per ton, 7/31, p.45
Steel mills preparing for autumn sales boom, 8/14, p.60
Steel mills start to feel transportation pinch, 12/4, p.87
Steel orders exceed month-ago rates, 10/23, p.63
Steel output rates show business is up, 10/30, p.49
Steel price discounts reported to be ended, 7/10, p.52
Steel ups hopes again as vacation time ends, 8/28, p.49
Steelmakers count on capital goods pickup, 11/13, p.60
Summer's sizzling demand undergirds raw steel output, 7/24, p.57
Weak lines trim steel 8% below usual level, 9/11, p.67
World steelmaking up 5% over year ago, 11/27, p.60

Stein, Herbert:
Not good enough!! 7/31, p.5
Stein may leave CEA post, 11/20, p.59

Stewardesses:
Who's worth what around here? 11/6, p.28

Stirling: See Engines

Stocks: Also See Bonds; also see Investments
Air pollution control stocks? Price is right, 10/9, p.10
Analyst sees good buys in steel stocks, 11/20, p.10
Bond conversion gain might be taxable, 7/24, p.10
Chemical stocks? Look for special angles, 7/31, p.10
'Good values' waiting in tire stocks, 9/11, p.10
Good year ahead for bank stocks, 11/20, p.42
Leisure time stocks recommended for growth, 10/16, p.48
Many 'calls' expire worthless, 7/24, p.10
Only bears flying airline stocks, 9/25, p.10
Peace would spur '73 stock market, 10/2, p.10
Profits outlook boosts hotel/motel stocks, 7/3, p.10
Seven paper stocks due to rebound, 9/11, p.39
Some metals stocks hold long-term potential, 8/28, p.10
Some preferred stocks can't be recalled, 8/21, p.10
Spotlight is turning to cyclical stocks, 9/4, p.10
Still wise to avoid 'hot new stocks,' 8/14, p.10
Time to consider investment alternatives, 7/10, p.10
Time to invest in textile stocks? 7/17, p.10
Time to watch for stock split candidates, 9/18, p.12
Unusual route to employee ownership gains some ground, 9/4, p.27
Watch what you say and to whom you say it, 12/4, p.11
Winning tax break on sale of option stock, 7/31, p.10

Stokes, McNeill:
Some firms are fighting OSHA's lack of appeal, 10/16, p.13

Storage:
Maintaining and storing records, 12/11, p.26
Oil storage tanks can be converted into storage units for liquefied natural gas or propane, 11/13, p.20
Virtual memory lets IBM think bigger, 8/7, p.22

Storm Damage:
Deduct for after-storm cleanup, too, 7/17, p.10

Storms:
Agnes cleanup poses special problems to plant managers, 7/17, p.19

Stoves:
'Cool' range uses less power, 12/11, p.10

Strategic Planning:
Try strategic planning for measurable results, 8/21, p.20

Stress:
Antidote for stress: liking your job, 9/25, p.10
Hi, Joe! How're you feeling? 8/7, p.28

Strikes:
Iron ore strikes peril supply, 7/24, p.21
Labor in '73: tough, but less hostile, 10/16, p.36
Precedent: can't strike against Pay Board, 8/7, p.9
Strikes proliferate in England, 9/4, p.70
Welfare for strikers, 7/24, p.5
Welfare to strikers issue gets court test, 11/20, p.23

Students:
Program seeks closer campus, business ties, 7/3, p.20

Submerged Injection Process:
Injecting new life into open hearths, 9/4, p.20

Sugar:
Sugar as an insecticide, 7/3, p.24

Sugar Cane:
A plant growth regulator called Polaris, 8/28, p.20

Suggestion Plans:
Deadlines, followup spur subordinates, 11/27, p.9

Is justification for change required? 12/4, p.11
Workers welcome chance to communicate, 7/24, p.9

Sulfur:
Checking carbon and sulfur content of steel, iron, 7/3, p.24

Sulfur Oxide:
Sulfur oxide emission control, 9/11, p.18

Sun Glare:
Reducing sun glare, 7/3, p.22

Sunglasses:
Instant sunglasses will change from transparent to completely opaque, 8/7, p.22

Superalloys:
Oxidation resistance of superalloys, 8/14, p.20

Superconductors:
A superconducting generator rated at 6,700 hp, 11/13, p.20
Large superconducting magnets, 11/27, p.18

Superplasticity:
Superplasticity is attracting attention of nonferrous metals producers, 10/30, p.21

Superports:
Will U. S. superports spur new domestic development? 12/4, p.28

Supersonic Transport:
Boeing still studying supersonic aircraft, 7/3, p.22
Sen. Proxmire promises a new SST fight, 12/11, p.59
SST data unlocked, 8/21, p.53

Supervisors:
Are first-line supervisors promanagement? 12/11, p.9
Boost supervisor's image as 'the boss,' 10/16, p.9
'Nice guy' supervisors inflate overtime, 9/25, p.9

Suppliers:
Equipment builders and buyers: adversaries or partners? 8/28, p.42
Evaluating supplier performance, 7/31, p.9

Supreme Court:
Supreme Court gets down to business, 10/23, p.16

Surcharge:
Surcharge possible, credit under fire, businessmen look at taxes, '73 style, 12/18, p.45

Surtax:
Will the surtax get a replay? 10/16, p.75

Surveys:
All-employee surveys may hide facts, 11/27, p.9
Execs seen puzzled in productivity quest, 7/3, p.15
Plants set labor rates with area survey, 11/27, p.44
Postal Service asks clients for advice, 8/7, p.26
Telephone poll shows what worries workers, 12/11, p.22

Survival:
Let's build a partnership of purpose, 11/27, p. S-1

Sweden:
Bonuses better than piecework rates, Sweden finds, 7/17, p.52
Swedish toolbuilders to push sales in U. S., 8/21, p.18

Switzerland:
Switzerland to join international monetary fund? 7/10, p.64

T

Taiwan:
Government firms make money in Taiwan, 7/17, p.52
Taiwan's free trade zones boost shipments, 7/31, p.52
Taiwan loosening economic ties with Japan, 10/23, p.68
Taiwan's trade still running full speed, 9/18, p.78
Will China-Japan rapport hurt Taiwan? 10/9, p.16

Tanks:
Oil storage tanks can be converted into storage units for liquefied natural gas or propane, 11/13, p.20

Tapes:
Do your plant tours get the message across? 11/13, p.9

Tariffs:
Advance look at common mart tariff changes, 10/23, p.9
Caribbean countries plan common market, 12/11, p.60
Customs valuations setup being reviewed, 10/9, p.76
Japan's trade concessions described as 'window dressing,' 12/4, p.20
NAM is studying trade barrier, 9/4, p.28
New tariff nomenclature for the U. S.? 8/28, p.51
New Zealand to restructure tariff schedules, 10/2, p.52
Norway's 'no' complicates European trade, 10/30, p.52

Taxes, Taxing:
All retail finance charges now deductible, 8/7, p.10
Another view of tax reform, 10/23, p.14
Assigning group insurance beats estate tax, 9/18, p.12
Average fund holdings can provide tax basis, 10/30, p.10
Avoid tax penalty with employer agreement, 11/20, p.10
Backing business loan gives better tax break, 11/13, p.10
Business gifts have $25 tax ceiling, 10/30, p.10
Cash, tax break both possible on realty deal, 9/11, p.10
Check your taxes, 10/23, p.18
Congress unlikely to hike personal tax, 12/11, p.59
Congressional panel sees tax increase, 9/11, p.75
Crackdown hits shelters that defer taxes, 10/9, p.10
Deduct for after-storm cleanup, too, 7/17, p.10
Deducting home entertainment expenses, 8/21, p.10
Deducting home office space? A letter might help, 11/6, p.10
Do taxes prompt foreign investment? 7/17, p.17
Education costs may be deductible, 12/11, p.10
EEC yields on farm products tax, 9/4, p.70
Firms like investment credit, but few would fight to keep it, 8/14, p.56
Industrial energy tax proposed as conservation 'incentive,' 9/4, p.15
IRS is scrutinizing corporate tax reports, 10/16, p.75
IRS promises easier 1040—again, 12/11, p.10
Interstate taxation, big headache for business, gets lost in shuffle, 9/18, p.15
Isn't it a shame? 9/11, p.5
Italy finally to adopt value-added tax, 12/4, p.102
Joint ownership may not be best estate plan, 11/13, p.10
Land cost can sweeten casualty deduction, 10/16, p.10
McGovern reveals Phase 2, 9/4, p.13
Nixon economists insist tax hike not necessary, 7/31, p.11
Partnership interests swap can be tax-free, 7/3, p.10
Plan your deductions for biggest tax break, 10/23, p.10
Political dinner fully deductible, 9/4, p.10
Sniff for the EPA, 10/30, p.5
Social Security plans bigger bite, 12/18, p.51
Some tips for reporting property donations, 12/4, p.12
Speak out for truth, 11/27, p.43
Study says foreign subsidiary taxes cost U. S. firms millions, 7/17, p.18
Surcharge possible, credit under fire, businessmen look at taxes, '73 style, 12/18, p.45
Tax break on hobby farms, vacation homes cut, 8/28, p.10
Tax delay aids condominium popularity, 9/25, p.10
Tax incentives proposal cheers recycling industry, 7/17, p.14
Tax loopholes must go, Abel tells Congress, 7/31, p.12
Tax reform . . . will business be cast as the villain? 10/23, p.42
Tax rise, deficits not inevitable, insists CEA's Marina Whitman, 7/10, p.16
Tax services in marital disputes deductible, 12/18, p.10
Tax surcharge as '73 revenue-raiser? 10/23, p.14
Teen-ager's earnings versus taxes, 10/2, p.10
Timing of payment can be important, 12/4, p.12
Tobacco men label tax moves dangerous to export health, 8/7, p.58
Trade-in may yield sales tax savings on new car, 10/2, p.10
Where business taxes stand now, 9/4, p.14
Will the surtax get a replay? 10/16, p.75
Will there be a VAT? 9/11, p.75
Winning tax break on sale of option stock, 7/31, p.10
You can avoid Europe's value-added taxes, 11/6, p.10
You can't win for losing, 10/30, p.47
You may need proof of deductible contributions, 11/27, p.10

Technology:
A little technical training is enough . . . , 7/31, p.27
Canada needs more technical innovation, 11/27, p.21
Congress gets a way to size up technology, 11/6, p.12
Job openings up for technical workers, 8/14, p.64
Mexico to regulate technology transfers, 11/13, p.22
Technology expands food industries, 10/16, p.52
Watch for 'negatives' as R&D effort shifts, 9/25, p.24
What happened to our technology lead? 9/25, p.28

Teen-agers:
Teen-ager's earnings versus taxes, 10/2, p.10

Teflon:
A new family of teflon resins, 9/18, p.28

Teleconference:
An IW teleconference . . . how to restore the will to work, 11/20, p.11
Searching for solutions . . . William F. Buckley joins IW teleconference panel, 10/2, p.12
The will to work, 11/6, p.5

Telephones:
A switchless telephone system, 8/7, p.23

Television:
A new generation of color tv cameras, 8/21, p.16
A visual image processing system activates a robot, 11/13, p.24
Blind people can be trained to use an electrical instrument, 10/30, p.21
CATV can provide low cost security, 10/2, p.17
Improved TV projectors and optical computer memories, 11/6, p.21
Microsurgical tv, 10/9, p.16
Shop TV warranties as well as prices, 7/17, p.10

Telex:
Direct overseas telex dialing offered, 9/4, p.9

Temperature:
Controlling die temperature, 10/30, p.20
One of the latest stainless steel casting alloys, 10/9, p.16

Temporary Help:
Permanent temporaries versus boredom, 7/17, p.9
Picking best-qualified isn't always best, 12/4, p.11

Tension:
At the tone, it's time to relax, 12/18, p.10
Finding a safety valve for tension, 11/13, p.51

Term Limit Pricing:
Blanket price approval rules get Price Commission review, 10/16, p.12

Texas:
IRS to run part of Phase 2 in Texas, 11/6, p.67

Textile Industry:
Knit producers ready for serious business, 11/20, p.55
Manager on the spot . . . textile exec optimistic despite Phase 2, growing regulation, 11/13, p.23

Textiles:
A textile called cambrelle, 12/18, p.21
Canada moves to stem import of knits, 10/23, p.68
Monitoring increases textile productivity, 10/30, p.21
Quotas slow textile imports; foreign firms shift product mix, 7/3, p.26
Textiles' sales up but profits still lag, 9/18, p.70
Time to invest in textile stocks? 7/17, p.10
U. S. textile firm enters joint venture, 7/10, p.64

Theft:
Drug pushers invade employment rolls, 7/24, p.9
Employee theft rising, but you can slow tide, 12/11, p.28
Etched identifications reduce equipment theft, 11/20, p.9
How to discourage worker embezzlement, 8/14, p.9
Industrial park security system aims at theft, 10/9, p.9
Shipment theft is usually 'inside job,' 9/4, p.9
Spot thieves before they steal, 11/27, p.9
Theft prevention effort is a must, 7/3, p.9
'Think local' on plant protection devices, 11/6, p.9

Thermal Switches:
Need a solid state thermal switch? 9/4, p.24

Third World:
Third World firms prep for bigger markets, 8/14, p.68

Timber:
Criticism of logging methods spurs reaction by timbermen, 9/18, p.24

Time:
Allow extra airport time when traveling, 9/18, p.12
How to control time-wasting gabfests, 9/11, p.9
'I'll work when I feel like it'—a promise, not a threat, 8/7, p.36
Schedule those interruptions to up efficiency, 10/9, p.9
Ten thieves who steal time, 10/9, p.45

Wasted time can swell your labor costs, 10/16, p.9
Worst offenders can set improvement pace, 11/20, p.9

Tin Plate:
Differential tin plate to fill a need in the container industry, 10/9, p.16

Tires:
A tire 'early warning' system, 12/18, p.22
An analyzer that enables chemists to determine quality of rubber materials, 10/2, p.19
'Good values' waiting in tire stocks, 9/11, p.10
More brake room, 10/30, p.57
More trucks going radial, 9/11, p.81
Some hints for winter tire care, 11/20, p.10
Switch to radials will only slow tire shipment growth, 10/16, p.68
Units for trucks pace tire shipment growth, 8/28, p.57

Titanium:
Titanium alloy Ti-17 offers significantly higher strength, 9/4, p.24

Titles:
Ms. title gaining industry acceptance, 7/13, p.9
Schultz won't get 'spokesman' title, 7/3, p.55

Tobacco:
'Nontobacco' industry chalks up big scores, 9/11, p.40
Tobacco men label tax moves dangerous to export health, 8/7, p.58

Tobago:
Trinidad and Tobago seeking investors, 11/20, p.60

Todd, John O., Jr.:
Why EDP Cinderellas woo the princes, 7/17, p.43

Tomatoes:
A cryogenic tomato peeling process, 9/11, p.18
Hormones make tomatoes ripen more uniformly, 8/14, p.22

Tool & Die:
Tool, die firm signs Russian contract, 12/4, p.102

Tools:
A magnetic level designed for 'pros' of handymen, 8/14, p.20
Keeping women workers healthy, happy, and productive, 10/23, p.53
Two new cutting tool families feature Man-Made diamonds, 10/23, p.22

Tourism:
Climate, amusements lure Los Angeles visitors, 9/4, p.10

Tractors:
'Tractor of all trades' hits industrial market, 10/23, p.24

Trade:
A small industry challenges Japanese competitors, 12/18, p.41
A smaller U. S. trade deficit in 1973? 11/27, p.20
Another round coming for U. S., Canada trade talks? 8/21, p.54
Asia faces port problems in decades ahead, 7/17, p.52
Australia strives to minimize economic ties with Japanese, 11/6, p.20
Canadian economy set to rebound, 11/6, p.68
Chicago group sets trade agreement with Poland, 8/7, p.60
China draws interest, but few sales as yet, 7/10, p. 23
China trade demands hard work, 11/6, p.50
Commerce to add East-West trade agency, 11/20, p.59
CED sees world body as trade woe answer, 9/25, p.13
Competitor emerging south of the border, 10/2, p.31
Congress holds key to Soviet trade pacts, 10/30, p.11
Cracking the Japanese market, 8/21, p.30
Czechs study trade climate during visit, 10/23, p.64
Dumping and import assistance changes proposed, 7/3, p.55
Electronics men eye China markets, 11/13, p.68
EEC agreements seen hurting world trade, 8/7, p.25
EEC will compensate nations for trade losses, 12/18, p.52
European solidarity to help U. S. multinationals, 9/4, p.70
Eximbank's full service for exporters, 9/11, p.46
Export gains come grudgingly slow, 9/18, p.61
Foreign trade policy may cease to be stepchild, 11/20, p.13
Germany looks East for more trade, 12/11, p.26
Getting down to business with Russia, 7/24, p.32
Good outweighs bad in EEC's growth, 10/2, p.18
Group of 20 not trade forum, feels U. S., 7/10, p.63
Group to aid sales to eastern nations, 8/21, p.53
Growth in paper exports faces European roadblock, 7/31, p.53
Import adjustment assistance needs changes, 9/11, p.75
India finally attains trade surplus, 9/18, p.78
Japan further reduces import barriers, 8/28, p.52
Japan's trade concessions described as 'window dressing,' 12/4, p.20
Japanese trade pact cheers lumbermen, 9/18, p.77
Japanese, U. S. firms unite to make and market worldwide, 10/2, p.15
Kaiser license signals rising U. S. interest in Soviet R&D, 9/4, p.23
Latin American-U. S. trade in trouble? 11/27, p.50
Let's build a partnership of purpose, 11/27, p.8-1
Managers gear up slowly for U. S.-Russian trade, 11/27, p.49
Monetary talks also study trade rules, 9/25, p.15
MFN wouldn't bring Soviet import flood, 7/24, p.59
NAM is studying trade barriers, 9/4, p.28
NMTBA to seek sales in Eastern Europe, 7/31, p.17
Need help in winning eastern markets? 9/11, p.9
No overnight cure for trade troubles, 7/24, p.53
Norway's 'no' complicates European trade, 10/30, p.52
Papua-New Guinea being wooed by Japan, 11/6, p.68
'Patchwork' arrangements weave world currency crisis, 7/10, p.54
Poland looks for manufactured goods, 11/27, p.59
Price hikes give trade boost to New Zealand, 7/17, p.52
Russia trade accord near; Japan talks termed 'useful,' 9/25, p.14
Russian 'buys' at show just a prelude? 9/18, p.20
Soviet trade pact still possible this year, 8/21, p.53
Taiwan's free trade zones boost shipments, 7/31, p.52
Taiwan's trade still running full speed, 9/18, p.78
Time runs out . . . Congress faces massive backlog, 7/24, p.11
Trade deficit could hit $5 billion—or more, 8/14, p.20
Trade deficit mounts, but reversal is seen, 11/6, p.19
Trade impetuosity for patience, 7/17, p.9
Trade mission hikes Canada's exports to Japan, 7/3, p.56
Trade surplus could return in the fall, 7/31, p.51
U. S. and Japan share trade rift blame, must share solution, 10/30, p.22
U. S.-China trade still few years away, 7/31, p.18
U. S. firms invited on European trade mission, 9/25, p.60
U. S.-Japan trade pact seen as 'first step' in cutting deficit, 9/11, p.13
U. S. opposes EEC's Mediterranean proposal, 11/20, p.60
U. S. trade with East Europe growing, 10/2, p.51
U. S. waking up to new trade truths, 10/2, p.43
U. S., Yugoslav firms form joint venture, 12/18, p.52
Waste wood chips for sale, 8/28, p.16
White House prepares prescription for foreign trade ills, 12/4, p.15
Yugoslavia: easy way into Eastern Europe? 7/10, p.20

Trade Associations:
Get more involved in industry problems, says new ASM chief, 10/9, p.14

Trade Fairs:
Canada slates trade fairs to push exports, 11/27, p.60
Peking hosting Canadian trade fair, 8/28, p.52
Seattle fair to feature Russian export goods, 7/31, p.18

Trade Shows:
Do your people benefit or do they party? 7/24, p.9
Ecology influencing material decisions, Metals Show told, 10/23, p.16
Foreign exhibitors to dim 'upsurge glow,' 8/21, p.38
Industrialized builders face shakeout, but not disaster, 11/13, p.16
Machine Tool Show boasts many 'firsts,' 9/11, p.11
1974 Machine Tool Show nears sellout, 10/16, p.22
Participants find show business 'rewarding' 12/11, p.54
Pollution engineering show—getting an industry together, 12/11, p.19
Successes may breed more foreign entries at '74 IMTS, 9/18, p.18
Trade shows pick up, 1973 will be better, 8/28, p.16

Trailers:
New side-dumper, 12/18, p.57

Training:
A little technical training is enough . . ., 7/31, p.27
Audio and printed information are combined in a training system, 9/25, p.22
Costly worker retraining plans sometimes flop, Congress finds, 12/11, p.12
Training method provides 'instant' detailers, 9/18, p.60
Training 'packages' ahead for industry, 8/21, p.21
VA programs cut recruiting, training costs, 7/3, p.9
Welfare job training fails to excite industry, 7/10, p.56
Who's worth what around here? 11/6, p.28

Transformers:
Transformer market to triple over 10 years, 9/25, p.54

Transmissions:
Automatic transmission field seeks more shiftless trucks, 10/9, p.69
Borg-Warner is ready . . . foreign cars going 'automatic,' 9/18, p.85

Transmitting:
A novel facsimile system reduces the cost of transmitting, 8/21, p.17
Selective paging, 9/11, p.18

Transportation:
Almost as many walk as ride transit, 8/14, p.9
Amtrak's international service may add Mexico, 11/13, p.10
Are the trains really worth riding again? 8/21, p.42
Congress considers mass transit money, 8/7, p.15
Levitation transportation, 12/11, p.26
Movin' the goods . . . part 2, advances must be integrated into system, 11/6, p.37
No massive shortage of freight cars—yet, 12/11, p. 27
One overlooked way to cut shipping costs? 7/3, p.19
Steel mills start to feel transportation pinch, 12/4, p.87
Superairports: plan now or pay later? 10/9, p.30
Transportation bills near approval, 9/4, p.69
Tunneling research draws federal interest, 12/18, p.21

Trash:
Mining the treasure in trash, 7/31, p.34

Travel:
Allow extra airport time when traveling, 9/18, p.12
Amtrak's international service may add Mexico, 11/13, p.10
Costs abroad soar 20%, 9/25, p.59
Now a minicomputer lures traveling execs, 7/10, p.22
Some tips for air travelers, 11/6, p.10
Travelers' forecasts now available, 10/23, p.10
You can avoid Europe's value-added taxes, 11/6, p.10
You can still lose the blues in Chicago, 8/7, p.10

Treasury Dept.:
Medal marks bicentennial of revolution, 7/17, p.10

Trees:
Air dropped fertilizer may provide profit to tree farming, 7/24, p.21

Trinidad:
Trinidad and Tobago seeking investors, 11/20, p.60

Trucks & Buses:
Automatic transmission field seeks more shiftless trucks, 10/9, p.69
Being a specialist pays off for one small truckmaker, 11/27, p.20
GM returns to U. S. off-highway truck field, 8/7, p.20
International gears up for growing construction market, 11/13, p.71
Mod truck design eliminates tooling, 8/7, p.26
More brake room, 10/30, p.57
More trucks going radial, 9/11, p.81
New side-dumper, 12/18, p.57
Now—a real bussman's holiday, 7/3, p.10
Top cause of truck crashes: sleepy driver, 10/16, p.9
Truck output goes up as autos slip, 7/31, p. 50
Truck production planned for Argentina, 12/18, p.52
Units for trucks pace tire shipment growth, 8/28, p.57
Using consumer gripes to improve the product, 11/20, p.34
Welding truck axle housings with a gas-shielded arc, 11/27, p.19

Trusts:
Buy realty trusts for income, not gains, 8/7, p.10
Cut estate fees through revocable trust, 8/14, p.10
Popularity of short-term trusts falls, 7/10, p.10

Tubes, Tubing:
A laser beam guides blind people, 8/7, p.22
Continuous casting of thin tubes of copper or cast iron, 10/16, p.24
'Copper' plumbing could be made of copper coated stainless tubing, 10/23, p.22
Fluxless joints aim aluminum at new uses, 8/28, p.18
Tubing cutters normally leave a ridge or lip around the edges they have cut, 8/7, p.22

Tunneling:
A water cannon is going to blast tunnels for us, 8/14, p.22
Tunneling research draws federal interest, 12/18, p.21

Turbines:
A novel combustion system for turbines, 7/24, p.21

Turbulence:
Detecting turbulent sections of clear air, 9/25, p.24

Turf:
Polygrass spreads outside stadiums, 10/23, p.65

Turnover:
Low turnover a good sign? Don't count on it, 11/20, p.9

U

Ultrasonics:
An ultrasonic motor, 7/10, p.22
Ultrasonic joining of synthetic fabrics, 7/17, p.23

Ultraviolet Light:
Making thin plastic films with ultraviolet light, 8/7, p.23
Ultraviolet cured paint, 9/11, p.18

UniCode:
Direct overseas telex dialing offered, 9/4, p.9

USSR: See Soviet Union

Unions:
Abel: Crisis bargaining must go, 9/25, p.11
Aerospace pros lose interest; unions persist, 10/30, p.17
Can you spot union activity early? 12/11, p.9
COPE registration effort undiluted, 9/25, p.59
Communications unions talk merger, 11/6, p.67
Congressional races get right-to-work focus, 9/25, p.59
European union maps multinational coalition, 10/16, p.76
First distant rumbles from 1973 labor talks, 7/3, p.13
I. W. Abel: Searching for ways to work with management, 11/13, p.13
Inflation helps boost whitecollar unions, 10/2, p.50
Labor Day messages stress economy, jobs, 9/11, p.14
Labor in '73: tough, but less hostile, 10/16, p.36
Labor's newest tool: slogans, not strikes, 12/18, p.24
More delay possible for aerospace pact, 8/14, p.18
More than steelworkers, USWA grows as multi-industry force, 10/2, p.11
More whitecollars consider union label, 10/23, p.50
Steel industry watching 1973 USWA elections, 8/14, p.13
Union, national politics to vie for interest at USWA conclave, 9/18, p.16
UE, IUE say Nixon defeat is vital for '73 labor talks, 9/18, p.17
USWA, industry to talk over productivity, 11/27, p.19
Whitecollar organizing sets record; more activity seen, 12/11, p.16

Unit Labor Costs:
Labor cost growth slows dramatically, 8/21, p.53
Unit labor costs now rising faster abroad, 7/17, p.51

United Auto Workers:
More delay possible for aerospace pact, 8/14, p.18

United Electrical, Radio & Machine Workers of America:
UE, IUE say Nixon defeat is vital for '73 labor talks, 9/18, p.17

United Mine Workers:
Growing problems could affect steadiness of soft coal supply, 7/17, p.16

United Nations:
UN says military funds could be spent better, 7/17, p.52

United Nations Conference on Human Environment:
UN group to deal with environment, 8/7, p.60

United Steelworkers of America:
Abel: Crisis bargaining must go, 9/25, p.11
I. W. Abel: Searching for ways to work with management, 11/13, p.13
More than steelworkers, USWA grows as multi-industry force, 10/2, p.11
Productivity challenge confronts strip mill, 9/4, p.19
Productivity review set; progress slow, 12/11, p.24
Steel industry watching 1973 USWA elections, 8/14, p.13
Union, national politics to vie for interest at USWA conclave, 9/18, p.16
USWA, industry to talk over productivity, 11/27, p.19
USWA wants hearings in pollution shutdowns, 7/3, p.15

United Transportation Union:
One rail dispute ends, but others roll on, 7/31, p.16
Train crew dispute threatens rail peace, 7/24, p.15

University of Michigan:
Clear Air Car Race broadens objectives, 8/7, p.65
Who's worth what around here? 11/6, p.28

University of Pennsylvania:
Next: buildings planned to save energy, 12/18, p.13

Uranium:
AEC to pick ten in uranium enrichment program, 7/10, p.63
Uranium abundance causes mining halt, 8/14, p.25
Will added uranium enrichment capacity arrive in time? 12/4, p.26

Used Tools & Machinery: See Machine Tools

V

Vacation Homes:
Tax break on hobby farms, vacation homes cut, 8/28, p.10

Vacuum:
Vacuum carburizing should cut case hardening costs, 9/25, p.24

Value-added Tax:
Italy finally to adopt value-added tax, 12/4, p.102
Will there be a VAT? 9/11, p.75

Valves:
A versatile soft seat (membrane) valve, 7/17, p.23
Hydraulic valve lifters often need some engine disassembly before they can be removed, 11/27, p.18

Vandalism:
Give vandals something else to do, 10/30, p.9

Vendors:
Program promotes minority business, 12/11, p.47

Venezuela:
Venezuela imposing curbs, but foreign capital is still welcome, 7/10, p.24

Veterans:
VA programs cut recruiting, training costs, 7/3, p.9

Vibration:
Vibration giving you the shakes? 11/27, p.18

Video Recording Equipment:
A stop-motion video tape system, 10/30, p.21

Vinyl:
Roses under vinyl, 7/10, p.18

Viruses:
New evidence that viruses cause cancer, 12/4, p.41

Vitamins:
Two-chambered containers for soft drinks, 10/2, p.19
Vitamin E decreases the incidence of tumors in rats, 12/4, p.43

Vocational Training:
Education: less a matter of degrees, 11/20, p.28

Voice:
Voice recognition computers help route baggage, 11/13, p.24

Voltage:
Being around high voltage, 9/25, p.22

Voting:
Industry lost some key votes out West, 11/20, p.19
Policy on time off to vote avoids confusion, 10/9, p.9

W

Wage & Price Controls:
Another phase of decontrol speculation? 11/6, p.12
Business is better, but did controls do it? 8/14, p.11
Controls in 1973, changes in 1974, 10/30, p.51
Controls wear out their welcome, 7/17, p.47
Nixon advisers fear pitfalls along the path to decontrol, 7/3, p.14
Outlook for stable prices brightens as pressures fizz, 9/11, p.61
Pay panel report shows no surprises, 12/11, p. 59
Phase 3 in '73? . . . only Richard Nixon knows for sure, 11/27, p.11
Wage standard gets Pay Board review, 7/10, p.14
Yes, there will be a Phase 3, 12/18, p.11

Wages: See Salaries & Wages

Walker, David G.:
The care and feeding of underdeveloped managers, 12/11, p.37

Walking:
Almost as many walk as ride transit, 8/14, p.9

Wankel Engine: See Engines

Warehouses:
Copying efficient operations can cut costs, 11/13, p.9

Warranties:
Shop TV warranties as well as prices, 7/17, p.10

Washington, D. C.:
A Washington exodus? 8/21, p.53
Business has a Washington 'hot line,' 7/31, p.9
Politics cutting Capitol Hill productivity, 8/7, p.59

Waste:
Fight waste with bombsight approach, 8/7, p.9
Profits lesson can aid fight against waste, 10/9, p.9

Waste Disposal:
Nashville's trash will heat, cool 24 buildings, 9/25, p.22
Transporting rubbish via an air gun, 12/11, p.24

Waste Materials:
A new team attacks solid waste, 7/17, p.15
A pollution profit is reported by Kawasaki Steel Corp., 11/13, p.24
Hardwood waste, can be turned into commercial wallboard, 7/24, p.20
LMFBR: the young miracle worker, 12/11, p.30
Mining the treasure in trash, 7/31, p.34
Recycling incentives will help—but only so much, 7/24, p.14
Tax incentives proposal cheers recycling industry, 7/17, p.14

Waste Removal:
Waste wood chips for sale, 8/28, p.16

Waste Treatment:
Add a couple of waste disposal possibilities, 11/20, p.22
Computerized sewage treatment, 9/4, p.24
Getting the cyanide out of industrial wastes, 10/30, p.20
Starchy waste water can be turned into edible protein, 7/10, p.26
Steel plant waste aids sewage treatment, 9/25, p.21
Waste water renovation, 9/4, p.24
Who gets saddled with pollution control? 9/18, p.42

Water:
A novel way to desalt water, 12/4, p.41
A ship hull antifouling system, 8/21, p.16
A water cannon is going to blast tunnels for us, 8/14, p.22
Absence of rooster tails from four-cycle inboard motors, 8/14, p.22
Agnes cleanup poses special problems to plant managers, 7/17, p.19
An 'inexpensive' water recycling system recovers paper fibers, 7/31, p.19
Coil surface preparation, 12/4, p.41
If a spill pollutes, confess, 9/25, p.9
Industry groping for clues to new water law's impact, 11/27, p.14
Is there a 'black box' around the corner? 12/4, p.8-11
Monthly fee gets water cleanup—in writing, 10/9, p.14
Need pure water? 7/17, p.24
New discharge permit system proposed, 12/4, p. 101
One man's view . . . political 'solutions' attacked, 9/25, p.26
Pollution puzzle: search for the missing pieces, 12/4, p.49
Starchy waste water can be turned into edible protein, 7/10, p.26
Tapping the huge geothermal resources in California's Imperial Valley, 10/16, p.24
Waste water renovation, 9/4, p.24
Water bill problems surface, 10/9, p.11
Water pollution control bill compromise set, 9/18, p.16
Waterjet marine propulsion for ships, 8/14, p.22

Water Cushions:
A water cushion using a principle similar to an air cushion, 10/2, p.18

Weapons:
Ideas from within for defense cost cuts, 8/28, p.19

Weather:
Travelers' forecasts now available, 10/23, p.10

Weight:
Joe, when are you going to lose some weight? 8/21, p.45
Overweight? Try eating more slowly, 11/6, p.10
Too fat? This is where it's at, 12/18, p.9

Welding:
A compact laser for cutting, welding, and drilling, 10/16, p.24
A new type of goggle instantly cuts off blinding light, 12/18, p.21
Automatic fillet welds, 7/17, p.24
Friction-welded connectors, 10/16, p.22
How large aluminum weldments distort during welding, 12/4, p.43
Lasers that weld autos, 10/23, p.20
Small-scale explosive welding, 10/30, p.20
Solar diffusion welding is a novel technique, 9/18, p.28
Welding truck axle housings with a gas-shielded arc, 11/27, p.19
Will lasers weld your next car? 10/30, p.57

Welfare:
Campbell goes on welfare, 10/23, p.5
Dole undermines need to work, 9/4, p.S-6
Welfare for strikers, 7/24, p.5
Welfare job training fails to excite industry, 7/10, p.56
Welfare to strikers issue gets court test, 11/20, p.23

Whitecollar Workers:
Inflation helps boost whitecollar unions, 10/2, p.50
More whitecollars consider union label, 10/23, p.50
Whitecollar organizing sets record; more activity seen, 12/11, p.16

Whitman, Marina:
Tax rise, deficits not inevitable, insists CEA's Marina Whitman, 7/10, p.16

Wholesale Prices:
Price pressures rise in rubber, petroleum, 9/25, p.57
Rubber adds bounce to wholesale prices, 8/21, p.57
Wholesale price gain is cut in half, 10/16, p.65
Wholesale prices up, but trend isn't broad, 7/24, p.61

Wire:
Aluminum could replace copper in home wiring systems, 11/13, p.24
Stainless cold heading wire no longer needs to be coated with copper, 7/24, p.20

Wives:
Wife is key to successful relocation, 7/31, p.10

Women:
Keeping women workers healthy, happy, and productive, 10/23, p.53

Women in Business:
Ms. title gaining industry acceptance, 7/3, p.9
Who'll baby-sit while mom works? 8/7, p.41
Your secretary: robot or management aide? 7/17, p.33

Women's Lib:
'Lib and let lib,' say Europe's workwomen, 11/13, p.68

Women's Rights:
Feminist leader raps profits, calls for new work concept, 12/4, p.18
Firms act on women's rights; government spurs some action, 9/11, p.19
Gearing up for equal opportunity, 9/11, p.20

Wood:
A test of irradiated wood chips, 9/11, p.17
Hardwood waste can be turned into commercial wallboard, 7/24, p.20
Joints in soft wood, 10/23, p.20
Waste wood chips for sale, 8/28, p.16

Wood, John M. (Dr.):
One man's view . . . political 'solutions' attacked, 9/25, p.26

Work:
An IW teleconference . . . how to restore the will to work, 11/20, p.11
Dole undermines need to work, 9/4, p.S-6
Involvement rekindles will to work, 9/4, p.S-10
Not them, but us, 11/20, p.5
Our forgotten strength: the will to work, 9/4, p.S-1
Search for solutions, 9/4, p.5
Searching for solutions . . . William F. Buckley joins IW teleconference panel, 10/2, p.12
Self-enrichment, 9/18, p.5
The will to work, 11/6, p.5

Work Breaks:
Work breaks can beat summer output sag, 7/17, p.9

Work Delegation:
Utilize all the members of your team, 9/11, p.9

Work Habits:
Behind? Take a day 'off,' 7/31, p.9
Don't let your star workers fizzle out, 10/16, p.9
Schedule those interruptions to up efficiency, 10/9, p.9
Set a date for future action, 8/14, p.9

Work Incentive Program:
Costly worker retraining plans sometimes flop, Congress finds, 12/11, p.12

Work Stoppages:
Strikes proliferate in England, 9/4, p.70

Workforce:
Manufacturing's share of the workforce dips, 9/4, p.69

Workhours:
Company chiefs average 54 hours per week, 10/9, p.10
'I'll work when I feel like it'—a promise, not a threat, 8/7, p.36

Workload:
Overloaded? Tackle one job at a time, 9/25, p.9
Sharing can ease shortage of good secretaries, 10/23, p.9

Workmen's Compensation:
Federal 'suggestions' for workmen's compensation, 8/7, p.13

Workweek:
5-day week? 4? One firm succeeds with 3-day week, 9/25, p.20
Four-day week has a long way to go, 11/6, p.26

World Bank:
Romanian move a key to closer East-West ties? 11/27, p.60

Writing:
How *not* to write a business letter, 8/7, p.49

Wyoming:
Investors taking long look at Wyoming, 12/4, p.12
Wyoming has energy 'treasure' map, 8/14, p.24

X

X-rays:
Growing use of X-rays as detection tools, 7/17, p.23
Intensifying screens can increase the sensitivity of X-ray film and shorten exposure time, 11/20, p.22
X-ray costs can be cut and you can save time, money, 12/11, p.24
X-ray exams can have instant replay, 10/2, p.19

Y

Yarn:
Automatic measuring of yarn being fed into knitting machines, 12/18, p.21
Safer asbestos yarn, 10/16, p.22

Yeast:
Starchy waste water can be turned into edible protein, 7/10, p.26

Yemen Arab Republic:
Yemen courts foreign investors, 8/28, p.52

Youth:
Security, wages still top youth job goals, 8/7, p.25
Westinghouse execs to yield, let 'youth' tackle problems, 7/17, p.13

Yttrium:
Oxidation resistance of superalloys, 8/14, p.20

Yugoslavia:
U. S., Yugoslav firms form joint venture, 12/18, p.52
Yugoslavia begins major steel industry expansion, 7/24, p.60
Yugoslavia: easy way into Eastern Europe? 7/10, p.20
Yugoslavs give foreign investment new twist, 12/4, p.102

Z

Zero Inventory Purchasing:
ZIP system helps cut inventory costs 30%, 12/18, p.14

Zinc:
A recent zinc-air battery, 10/2, p.18
Faster deburring and smoothing of zinc, 8/21, p.16

Zirconia:
Solid electrolyte fuel cells, 10/2, p.18

COMPANY INDEX

A

Addressograph-Multigraph Corp.:
Agnes-soaked papers salvaged by freezing, 8/7, p.24

Alcan Aluminium Ltd.:
Alcan pigeonholes Brazilian mining venture, 10/16, p.76

Allied Chemical Corp.:
An air belt instead of an air bag? 10/16, p.81

Aluminum Co. of America:
Alcoa casts a vote for anorthosite, 7/10, p.21
Alcoa hedges against bauxite, 9/18, p.31
Alcoa scores gallium price break, 8/7, p.23
Fluxless joints aim aluminum at new uses, 8/28, p.18

American Brands Inc.:
'Nontobacco' industry chalks up big scores, 9/11, p.40

American Can Co.:
Can plant shutdowns keep worker in mind, 8/21, p.16
Massive writeoff aims at profits, 8/14, p.18

Anaconda Co.:
Anaconda to fight EPA's ground rules, 10/23, p.19

Armco Steel Corp.:
Special drawing steel gets production boost, 7/24, p.22

B

Bavarian Motor Works:
An American 'makes it' in German firm, 8/7, p.50

Blue Ridge-Winkler Textiles Div.:
Manager on the spot . . . textile exec optimistic despite Phase 2, growing regulation, 11/13, p.23

Boeing Co.:
Boeing still studying supersonic aircraft, 7/3, p.22
Dealing with China is arduous, Boeing sales team finds, 9/25, p.13

Borg-Warner Corp.:
Borg-Warner is ready . . . foreign cars going 'automatic,' 9/18, p.85

C

Calgon Corp.:
Monthly fee gets water cleanup—in writing, 10/9, p.14

Cincinnati Milacron Inc.:
Toolmaker expands capacity in plastics, 12/18, p.22

Communispond Inc.:
We expect our managers to tell the business story, 11/20, p.43

Copperweld Steel Co.:
'Let's tell everyone,' 8/21, p.18

Cyril Bath Co.:
Bender speeds setup, production, 8/28, p.18

D

Ducommun Inc., Div. Ducommun Metals & Supply Co.:
ZIP system helps cut inventory costs 30%, 12/18, p.14

E

Eaton Corp.:
U. S., Yugoslav firms form joint venture, 12/18, p.52
'We expect our managers to tell the business story,' 11/20, p.43

Ex-Cell-O Corp.:
Honing-plating process said to cut costs, 7/3, p.21

F

Federal-Mogul Corp.:
In compliance with OSHA? Simulate an inspection, 10/16, p.9

Ferrodyne Corp.:
Ferrous diecaster tackles stainless, 12/11, p.50

Ford Motor Co.:
'Combination of factors' led to pollution suit at Rouge complex, 7/24, p.22
Ford engine problem no production crisis, 10/16, p.27
Ford mobilizing outdoor interests, 7/24, p.65

Fruehauf Corp.:
Give vandals something else to do, 10/30, p.9

Fulton Supply Co.:
A prescription for healthy distributors, 9/18, p.50

G

GAF Corp.:
Felt demand has right feel, 8/28, p.12

General Electric Co.:
Service rounds up productivity tips, 7/3, p.9
'Tractor of all trades' hits industrial market, 10/23, p.24

General Electric Co., Direct Current Motor & Generator Products Dept.:
Program promotes minority business, 12/11, p.47

General Motors Corp.:
Automakers, UAW tackle alcoholism, 7/10, p.65
GM returns to U. S. off-highway truck field, 8/7, p.20
GM 'road tests' engines in a laboratory, 7/3, p.61
Glove box computer monitors safety systems, 8/7, p.65
Machine tool builders believe Wankel is starting a revolution, 9/4, p.16
Tell business' side, Gerstenberg exhorts, 12/4, p.35

General Motors Corp., Detroit Diesel Allison Div.:
Automatic transmission field seeks more shiftless trucks, 10/9, p.69

Georgia-Pacific Corp.:
Demonstrate your company's message, 10/2, p.9
Waste wood chips for sale, 8/28, p.16

B. F. Goodrich Industrial Products Co.:
A prescription for healthy distributors, 9/18, p.50

Gould Inc.:
Are you a member of the Dinosaur Club? 9/25, p.9

W. R. Grace & Co.:
A little technical training is enough . . ., 7/31, p.27

Gunderson Inc.:
Shipbuilding returns to Pacific Northwest, 8/7, p.23

H

Hitachi Metals Ltd.:
Japanese, U. S. firms unite to make and market worldwide, 10/2, p.15

Honeywell Information Systems Inc.:
Honeywell fortifies computer big guns, 7/3, p.24

I

Ingersoll Milling Machine Co.:
Air pallets cut machine tool downtime, 7/31, p.22

International Business Machines Corp.:
IBM's Learson urges business to speak up, 9/18, p.21
Virtual memory lets IBM think bigger, 8/7, p.22

International Business Machines Corp., Systems Mfg. Div.:
Microminiature measurements can be made at high speed, 9/4, p.22

International Harvester Co.:
International gears up for growing construction market, 11/13, p.71

International Harvester Co., Solar Div.:
ZIP system helps cut inventory costs 30%, 12/18, p.14

International Nickel Co.:
Ferrous diecaster tackles stainless, 12/11, p.50

International Supply Co.:
A prescription for healthy distributors, 9/18, p.50

J

Jones & Laughlin Steel Corp.:
Productivity challenge confronts strip mill, 9/4, p.19

K

Kaiser Aluminum & Chemical Corp.:
Kaiser license signals rising U. S. interest in Soviet R&D, 9/4, p.23
LNG tankers luring aluminum to the seas, 10/9, p.67

L

Lehigh Valley Industries:
Manager on the spot . . . textile exec optimistic despite Phase 2, growing regulation, 11/13, p.23

Liggett & Myers Inc.:
'Nontobacco' industry chalks up big scores, 9/11, p.40

Lord Mfg. Co.:
Standard parts 'supermarket' streamlines inventory, 7/31, p.38

M

Magnaflux Corp.:
Nondestructive testing courses offered, 12/4, p.11

Marmon Group, The:
Firm hires outside environmental audit, 7/17, p.14

Mesta Machine Co.:
Mesta moves into high energy forging, 7/10, p.24

Mobil Oil Corp.:
High-speed cutting oil lifts fog, says Mobil, 7/31, p.22

Monarch Machine Tool Co.:
Equipment builders and buyers: adversaries or partners? 8/28, p.42

N

Nashville Thermal Transfer Corp.:
Nashville's trash will heat, cool 24 buildings, 9/25, p.22

National Railroad Passenger Corp. (Amtrak):
Amtrak's international service may add Mexico, 11/13, p.10

Nissan Motor Corp.:
Nissan pondering U. S. assembly, 7/3, p.56

North American Rockwell Corp.:
Can space technology work in the factory? 11/13, p.20
Volunteers achieve effective, inexpensive social programs, 7/24, p.16

North American Rockwell Corp., Space Div.:
Shuttle cheers aerospace, but some subcontractors doubtful, 8/7, p.14
Space shuttle program starts to lift off, 12/4, p.22

O

Oshkosh Truck Corp.:
Being a specialist pays off for one small truckmaker, 11/27, p.20

Owens-Corning Fiberglas Corp.:
Fiberglass reinforced plastic: 'now a basic,' 11/20, p.56

P

Penn Central Transportation Co.:
One rail dispute ends, but others roll on, 7/31, p.16
Train crew dispute threatens rail peace, 7/24, p.15

Public Service Electric & Gas Co.:
Contract signed for offshore atom plants, 10/9, p.18

Q

Questor Corp.:
More answers to 1976 emission problems? 10/16, p.81

R

RCA Corp.:
Direct overseas telex dialing offered, 9/4, p.9

R. J. Reynolds Industries Inc.:
'Nontobacco' industry chalks up big scores, 9/11, p.40

Rockwell Mfg. Co.:
Can space technology work in the factory? 11/13, p.20

Rockwell Mfg. Co., Gas Products Div.:
Rockwell consolidates gas meter making, 9/4, p.24

S

Stamco Sales Inc.:
Equipment builders and buyers: adversaries or partners? 8/28, p.42

T

TRW Inc.:
A $1 billion market? TRW zeros in on auto electronics, 12/11, p.63
Gearing up for equal opportunity, 9/11, p.20
Giant forging press starts to pay its way, 10/30, p.16
olitical contribution plans under fire, 8/28, p.9
elling space fallout on earth, 7/17, p.29

Tennant Co.:
Plants set labor rates with area survey, 11/27, p.44

U

Union Carbide Corp.:
Agriproduct boosts crop growth, yield, 10/16, p.26

U. S. Steel Corp.:
County, state, EPA, USS finally agree on coke cleanup, 10/9, p.12
Mod truck design eliminates tooling, 8/7, p.26
Speer to head U. S. Steel in '73, 12/4, p.17
U. S. Steel agrees to more Clairton cleanup, 10/30, p.17
U. S. Steel coke pact unclear; may be pacesetter, says EPA, 10/16, p.18

W

Ward LaFrance Truck Corp.:
Mod truck design eliminates tooling, 8/7, p.26

Western Electric Co. Inc.:
A little technical training is enough . . ., 7/31, p.27

Westinghouse Electric Corp.:
Breeder reactors: one up and one down, 12/11, p.18
'Cool' range uses less power, 12/11, p.10
Don't overdesign building energy needs, 9/25, p.23
New competitor in cooling tower market, 12/18, p.20
Pick them young—then push, 9/25, p.37
Westinghouse execs to yield, let 'youth' tackle problems, 7/17, p.13

Weyerhaeuser Co.:
Family interest spurs safety effort, 9/25, p.9
Trivia cleanup yields big payoff, 8/28, p.9

Wheeling-Pittsburgh Steel Corp.:
Steel plant waste aids sewage treatment, 9/25, p.21
'Working smarter' proved to pay off in productivity gains, 9/25, p.12

White Motor Co.:
Using consumer gripes to improve the product, 11/20, p.34

Winnebago Industries Inc.:
Bender speeds setup, production, 8/28, p.18